

**The President's Report  
Part 2**

**for the Academic Year ended  
June 30, 1971**

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

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

1970-1971

DESIGN FOR THE SEVENTIES

In the early Sixties there was a widely quoted witticism to the effect that the universities studied everything but themselves. Now, a decade later, the pendulum has swung sharply toward the opposite extreme. While it would hardly be true to say that universities study nothing but themselves, it is clear that we are all engaging in what might be described as wholesale introspection. This is particularly the case at Western; our recent penchant for institutional psychoanalysis has dominated the thought and much of the activity of the University this year. I shall in these pages present an interim report on the various studies, both internal and external, with which Western is involved at present. Whereas last year in my examination of the role of the University in the community I was concerned with people, this year I shall be concerned primarily with abstract processes. Whatever the report loses in human interest, I hope it will gain in historical accuracy.

I shall, therefore, report further about the work of the Academic Commissioner, then about the studies of university organization and system appraisal, the administrative salary study, the Senate Committee to Review the University Act, and the Senate Committee on Appointment, Promotion and Tenure (known generally as the 31(g) Committee after that section of the University Act).

Turning next to external studies, this report will then be concerned with Ring of Iron, the study of engineering education, by Philip Lapp and associates; Towards 2000, the future of post-secondary education in Ontario, published by the Council of Ontario Universities; and with the work of the same Council's Advisory Committee on Academic Planning in its attempt to rationalize graduate studies in Ontario. Finally, Western's efforts to coordinate Health Sciences locally with government policy provincially will be described in the work of the London Health Sciences Coordinating Committee.

The reasons for this comprehensive self-examination are not difficult to identify. The management of universities has become a very large-scale enterprise -- last year the Government of Ontario spent more than \$470 million on its universities. Then again, in a dramatic reversal of roles, the universities, traditionally the critics of society, now find themselves the targets for criticism by that same society. Public opinion, as assessed by political leaders and the mass media, is angered by an academic world that is suspected of being smugly self-satisfied and inclined to be irritable with those who call it to account. What is not at all widely understood is that those superficial attitudes were very quickly abandoned by the few in academe who held them. These have now disappeared, to be replaced by attitudes not only of concern at the loss of public confidence in the universities, but also of determination to engage in a searching self-appraisal. We know full well that if the universities are to survive in recognizable form, we must continue to be in the vanguard of social change -- must continually redefine our objectives, both academic and social. At the same time we must make certain that in the management of our affairs we put maximum values on academic and human concerns without sacrificing ordinary efficiency.

Academic Commissioner's Study

Last year I reported the appointment of Western's -- or anyone else's -- first Academic Commissioner, Dr. Arthur Porter. He was commissioned, it will be recalled, "to serve full-time and to make a serious, thorough and significant study of the structure and interrelationship of the academic programs of the University ...", that is, to investigate the curricula of the University and to make recommendations on our general academic adequacy with particular reference to those interdisciplinary studies that are breaking through traditional academic boundaries. Dr. Porter's energy and enthusiasm for his task remain undimmed after two arduous years. The vigor of the responses his ideas have engendered is eloquent testimony to his ability as an explorer of the new and uncharted, and a dynamic purveyor of challenge. This modern day Socrates, with his seemingly guileless questions, quickly pitches his audiences into heated debates which get close to the heart of the matter. Dr. Porter has presented several interim reports, testing his ideas on Western's senior academics as well as on various faculty councils. His final report will be published this September; meanwhile his lively vivacity, acute insight and trenchant comment have already altered significantly the ambience of the campus.

## Studies of University Organization and System Appraisal

Shortly after Dr. Porter's appointment, the Governors of the University retained a firm of management consultants, Kates, Peat, Marwick & Co. of Toronto, (KPM), first to undertake the job analysis and definition of the position of Vice-President, Administration and Finance, then to study the general relations obtaining between the University Senate and the Board of Governors in terms of their committee structures and functions, including an analysis of the Office of the President and the other Vice-Presidents. This lengthy, difficult and important study has only recently (June 18) been handed to the Governors; it will form the entire agenda of a special meeting in the Fall.

KPM was also commissioned to make a detailed study of the major administrative systems of the University. Virtually all of their recommendations are in process of being put into practice under the direction of Vice-President A. K. Adlington and his associates. The consultants were instrumental in proposing extensive changes in the operation of the Physical Plant Department, in establishing a Department of Information Analysis and Systems, and in reorganizing the Registrar's Office. Their incisive analysis and practical recommendations enabled the University to act with such effect in the Registrar's Office that a threatened "break-down" in mid-year became a positive "break-through". These KPM studies, essentially on the administrative side of the house, were timed to be completed at the same time as those of the Academic Commissioner. Indeed, Dr. Porter himself felt very strongly that his study required an administrative parallel and recommended to this effect shortly after his arrival.

### Administrative Salary Study

In an institution committed to the principle of participative management, there are many administrators, some with direct academic connections and some without. What they have in common are growing responsibilities and a demand upon them for a high degree of expertise. The University is easily the largest employer in London, with the largest operating budget. What has been lacking was an objective basis upon which to assess whether or not our administrative salaries were appropriate. Our search for a tested system of measurement culminated this year in the appointment of E. N. Hay and Associates of Canada as salary consultants. The "yardstick" they provided will make it possible for Western to achieve a rational administrative salary policy.

### University Act Review Committee

The UWO Act of 1967 is widely regarded in Canada as a model university act. Indeed, as I look back over the last four years much of our time and energy as a University has been spent in translating the principles embodied in the Act into a practical mode of university government. The By-Laws of the Senate, the reorganization of the Board, the functioning of the Senate Committees and their relationships to the Board have had to be spelled out carefully. The Act, however, is not perfect and it is under review at present by a special Senate committee. It will be recalled that the Act itself made provision for such review within five years of its promulgation. The intention is that the Senate committee will bring forward a general philosophical appraisal of the Act and that later a joint Senate-Board committee will undertake any specific redrafting that may be required. At this time of writing it is a pleasure to record that the Act Review Committee has come out unanimously in favor of retaining the bicameral system of university government at Western.

### Senate Committee on Appointment, Promotion and Tenure

Section 31(g) of the UWO Act provides that the Senate "establish and recommend to the Board policies and procedures to be followed in the selection, appointment, promotion and termination of appointment of the members of the Faculty, as well as the conditions under which tenure and sabbatical leave are granted". The Committee established to do this made its report about one year ago, but during the course of its presentation to the Senate it became abundantly clear that the students had the most serious reservations about the report and the Committee's recommendations, feeling that they were at best inadequately represented, at worst, improperly represented. As a result the "31(g) Committee" was reconstituted with equal numbers of faculty and students under a neutral chairman in the person of Vice-President R. J. Rossiter. This first excursion of the University into the realm of parity resulted in months of deadlock. However difficult of resolution, the issue is easily stated. Students demand direct representation on departmental committees of appointment, promotion and tenure, while members of the faculty feel that none of these is the students' business. The students feel that as members of the University community they have a right to a say in these affairs, specifically in contributing to an appraisal of a professor's ability as a teacher. The professors, on the other hand, feel strongly that these

matters are best left for the most part to the judgment of the full professors who, having achieved both maximum promotion and tenure, have no personal axes to grind. The final report of this Committee consists of a compromise which give neither faculty nor students any particular satisfaction and indeed has elicited a vigorous minority dissenting report from two academic members of the Committee. It is quite obvious that students and faculty are not yet able to resolve this matter; a condition that may disturb the relative peace and tranquillity which the campus has enjoyed for the past four years.

### Provincially Inclusive Studies

By virtue of its membership in the Council of Ontario Universities (formerly the Committee of Presidents of Universities of Ontario), Western participated in and has been affected by a number of studies ranging over the provincial universities' system. Chief among these are Ring of Iron, a study of engineering education in Ontario, conducted under the direction of Dr. Philip A. Lapp and his associates, Dr. John W. Hodgins and Dr. Colin B. Mackay. This study, the first of its kind to be undertaken in Canada for any discipline or faculty, has been widely hailed as the forerunner of the series of "discipline assessments" that have been set up under the Council of Ontario Universities. These will be described later. The study which led to Ring of Iron was organized by the Council of Ontario Universities with the assistance of its affiliated body, the Committee of Ontario Deans of Engineering (CODE), which for the past two years has functioned under the chairmanship of Western's Dean of Engineering Science, R. M. Dillon. Dr. Lapp's comprehensive study and sweeping recommendations have already produced wide and vigorous discussion. Of particular significance to Western is the proposal that we become the centre for studies in Environmental Engineering. This proposal carried with it the somewhat dismaying recommendation that no doctoral program be offered in Engineering at this University for at least five years. These two recommendations clearly imply profound changes in the entire structure and organization of the Faculty. While at this point it is too early to say exactly how they are to be translated into practice, it is obvious that Engineering will be substantially affected.\*

Another report of comprehensive significance to the provincial universities' system was that entitled Towards 2000 -- the future of post-secondary education in Ontario. This report was prepared for the Council of Ontario Universities by its Subcommittee on Research and Planning, and was presented as a brief to the Government's Commission on Post-Secondary Education in Ontario. This comprehensive look into the future was recently published as a book by McClelland and Stewart Limited. Its 175 pages describe such important topics as the rise of other post-secondary educational institutions, such as Teachers Colleges, Colleges of Applied Arts and Technology, Colleges of Agricultural Technology and Schools of Nursing. Towards 2000 undertakes as well an analysis of anticipated patterns and enrolment growth in the Seventies, together with suggesting various new roles for colleges and universities, new content of the baccalaureate, new approaches to professional training and a new basis for appraising post-graduate education and research. These are all then viewed in the light of governmental involvement at both the federal and provincial levels, in the setting of policy as well as in the allocation of costs. The report concludes with suggestions for appropriate machinery for handling the increasingly complex relationships between governments and universities. As Western strives towards an increasingly precise definition of its future role and function, we will find ourselves referring again and again to this report; it is an ingenious and courageous attempt to write the future as history.

### Program and Discipline Assessments

In the course of the past two years it has become increasingly apparent that the universities of Ontario have a responsibility to the public to avoid useless duplication of effort. We cannot, in the name of preserving university autonomy, produce more chemists, or English professors, or geographers or engineers than are either needed or wanted. To this end a complex system of departmental appraisals and program assessments has been established. All universities have agreed that before they may offer new graduate programs leading to either the M.A. or Ph.D. degrees, the department aspiring to offer such programs must be able to demonstrate to its sister departments within the university, as well as to the experts in its own discipline from outside the university, that it has the resources of teaching staff and research and library capabilities to justify the existence of the program.

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\* Since this was written the Council of Ontario Universities has modified the latter recommendation to this effect: that while only a limited number of Ph.D.'s would enter the Ontario system, no capable Engineering Faculty would be denied Ph.D. students entirely.

But the assessment does not stop there. The Council of Ontario Universities, acting with the Government's Committee on University Affairs, has recently established the Advisory Committee on Academic Planning (ACAP) to undertake comprehensive discipline assessments. The objective of this exercise is nothing less than an assessment of the role of the entire range of disciplines across all the universities of the Province. It has widely been rumored, for example, that we produce far too many chemists (indeed the chemists themselves are heartily tired of being endlessly trotted out as the prime example of overproduction). A comprehensive discipline assessment of Chemistry is proposed in the near future to provide objective data upon which to assess the truth or falsity of this opinion. At the other end of the spectrum it is proposed to consider the case of the teaching of Sociology where it is strongly suspected not nearly enough graduate training has been undertaken in Ontario universities. (The complexity attendant on this discipline assessment is further bedevilled by the simultaneous and contrary demands of public opinion that the Ontario universities sharply reduce all graduate training and at the same time stop hiring Americans particularly in those sensitive areas like Sociology where we cannot ourselves begin to supply the demand.) The Council of Ontario Universities has been fortunate in persuading Dr. M. A. Preston, formerly Dean of Graduate Studies at McMaster University, to take a leave of absence for two years in order to coordinate the efforts of the discipline assessment teams that will have to be assembled to undertake assessments in, initially, some ten disciplines.

### Health Sciences Coordination

In addition to all of the foregoing studies, Western has become deeply involved in the coordination of its own burgeoning Health Sciences Complex with the teaching hospitals and other health units with which it works. To this end the London Health Sciences Coordinating Committee was established at the suggestion of the Provincial Government's Senior Coordinating Committee of the Departments of Health, Education and University Affairs.

The immensely complex problems of coordinating the development of the health sciences on the one hand with the demands for the growth of health services on the other, led the Committee to employ a firm of management consultants, namely Kates, Peat, Marwick & Co., to undertake a comprehensive study of the entire area, the object of which was the definition of the role of all the various health units. This included particularly the potential role of Westminster Hospital which has hitherto operated under the Federal Department of Veterans Affairs. Thanks to the developing sense of community which the Health Sciences Coordinating Committee by its very existence has helped to achieve, combined with KPM's comprehensive report, a number of hitherto intractable local problems have been resolved to the accompaniment of a significant decrease in local sensitivities. Western's Health Sciences interests have been represented on this Committee by Dr. O. H. Warwick, Vice-President (Health Sciences) and Dr. Douglas Bocking, Dean of the Faculty of Medicine. The Committee has met under the Chairmanship and Vice-Chairmanship of the writer and Captain Joseph Jeffery, Chairman of the Board of Governors. Other members are: Mr. N. G. Burdick, Dr. J. C. Rathbun and Mr. A. R. Thorfinnson from Victoria Hospital; Mr. J. W. Adams, Sister Mary (formerly Sister Elizabeth Grace) and Dr. D. M. Mills from St. Joseph's Hospital; Mr. J. R. Harris representing Fanshawe College; Mr. W. J. Blackburn, Dr. J. B. Neilson and Mr. G. A. H. Pierce representing University Hospital; Dr. W. J. F. Bugg from Westminster Hospital, and Dr. D. M. Wickware representing the London Hospital Planning Council. Secretary is Dr. Neilson, Executive Director of the London Health Association's University Hospital.

### Students' Contributions

I would be remiss if I did not single out for special mention the excellent contribution made by the University Students' Council in assessing and making "critical path" recommendations regarding the perennial problem of residence accommodation. Their initiative resulted in a streamlining of the residence committee structure such that Western has been promised that funds will be made available for new residential accommodation. While more will be needed shortly, there is no question but that a significant beginning has been made.

### Resolving Our Problems

The sheer number of studies listed above, their breadth and comprehensiveness, provide eloquent and overwhelming testimony of the determination of this University and its sister institutions in the Province to set our houses of intellect in order. The Sixties saw unprecedented growth in the number and size of the universities of this Province; a growth that could have been achieved only by the willingness of the Provincial and Federal Governments to spend substantially.

Now, as we have seen, the dawn of the Seventies finds the public mood one of unease, irritation and suspicion. There is disillusionment because greater accessibility to higher education has not solved the problems that beset us ten years ago. There is vexation at the

apparent inability of the universities to cope with what are deemed to be the excessive demands of some of its students and faculty members. There is nagging doubt that the vast sums of money of the Sixties have not been wisely expended. Given this atmosphere, the University emerges as a tempting target for the combined frustrations of all of those who undertake to speak for the public. As I have tried to show, the universities have been far more alert to the real problems that beset them and are far more conscientious and businesslike in the way they are going about resolving these problems than they get credit for. I remain firmly of the opinion that the people of Ontario continue to be proud of their universities. I believe that they will be able to take further pride in their universities as they see us adapt to the forces of change.



PERSONAL

It is sad indeed to record the deaths of several members of faculty and staff, retired colleagues and distinguished friends of the University. We had several such losses this year. Professor John J. Bowden served with devotion and creativity in the Department of History, Althouse College of Education, since the founding of that institution in 1965. Professor L. J. S. Metford, of the Department of French, was a person of wide and subtle interests and an indefatigable worker over many years in the initiation and development of the University Language Laboratories. He will be remembered with affection by generations of his students and colleagues. Mr. P. M. C. Jobling, tragically cut off in his early years, served the Senate as Assistant Secretary with precision and tireless efficiency. Dr. R. C. Dearle, retired Professor of Physics and one of the molders of physics studies at Western, will be remembered as an outstanding scholar, teacher and departmental administrator. Dr. Charles C. Ross, distinguished soldier and surgeon, served the University and the London community with skill and compassion for more than 50 years. Major-General Alexander C. Spencer, distinguished soldier, engineer and University benefactor, contributed most generously, as did his family, in the construction of the Alexander Charles Spencer Faculty of Engineering Building and the Josephine Spencer Niblett Faculty of Law Building, as well as the Spencer Pool in Thames Hall and the Barbara Ross Spencer Reading Room.

Each year the University loses some of its most valuable members by way of retirement. This year is no exception. The Director of Physical Plant, Mr. John Shortreed, is retiring after 24 years of dedicated service to the University. Mr. Shortreed was responsible for the planning and supervision of some 40 new buildings on campus during the period of major physical expansion of the University. His influence will be felt for years to come in the major contributions he has made to the development of Western's beautiful campus. He is succeeded by his long-time associate, Mr. R. M. Yeo.

Other notable individuals who retired during the year were: Professor Gordon G. Suffel, who, over a long, distinguished career, served the Department of Geology with distinction, effectively combining experience and scholarship; Mr. Dawson E. Woodburn, founding head and professor of music at Althouse College of Education, who retires after 40 years in the secondary and university systems of Ontario -- Professor Woodburn contributed in a major way to the development of standards of excellence in high school music throughout Canada, especially in the area of choral music; and Mr. John K. Johannesen, who brought Danish acumen as a horticulturalist to the Department of Plant Sciences, which department he served with devotion and skill for 26 years.

I should like to emphasize the important role in the University of those dedicated non-academic members of staff, who, having served the University well and faithfully over many years, retire this year: Mr. Jack Forrester, Mr. J. C. Sandall and Mr. C. F. Rayfield of the Department of Buildings and Grounds; Miss Lillian Benson, who in her uniquely charming way served as Assistant Librarian for 36 years under two Chief Librarians, Dr. Fred Landon and Dr. J. J. Talman, performing miracles in the low-budget days in the development of Library collections; Mrs. Hazel J. Trott, of the Department of Summer School and Extension, whose wisdom and courtesy have assisted thousands of grateful part-time students during her 24 years of service; and Mr. W. Gordon Pirrie, of the Department of Athletics, whom generations of Western's male athletes will remember with affection and respect.

Under the system of rotating chairmanships adopted by several faculties of the University, this year marks the retirement as Departmental Chairmen or Heads of Professors C. J. Hickman [Plant Sciences], E. T. Pryor [Sociology], V. W. Sim [Geography] and C. G. Winder [Geology]. The gratitude of the University goes to each one of them, as they resume their careers as full-time teachers and researchers. At the same time, we welcome those who have accepted the challenge as academic administrators in their respective departments: Professor D. B. Walden as Acting Chairman [Plant Sciences], Professor John H. Kunkel [Sociology], Professor W. Warntz [Geography], Professor A. E. Beck as Acting Chairman [Geology], Professor Margot R. Roach [Biophysics], Professor Lewis S. Carey [Diagnostic Radiology], Dr. V. B. Brooks [Physiology], and effective July, 1972, Professor G. F. D. Heseltine [Psychiatry].

There were a number of changes in senior academic and administrative positions during the year: At the end of the academic year 1970-71, Professor Richard M. Dillon retired as Dean of the Faculty of Engineering Science, after one of the longest and most successful decadal careers in the history of the University. He has been instrumental in shaping a strong and influential faculty and has helped foster many traditional areas of study as well as innovative programs in the fields of industrial aerodynamics and environmental engineering. His services are, fortunately, to be retained by the University. After serving as Executive Director of Task Force Hydro for the Committee on Government Productivity, Province of Ontario, during the forthcoming year, he will resume his professorial career. Professor Dillon was succeeded as Dean by Dr. A. I. Johnson, who has distinguished himself at McMaster University and elsewhere as an imaginative administrator, teacher and industrial research chemist. Mr. Barry G. Browning, Deputy Registrar and Director of Admissions, left the University to become Registrar at the University of Manitoba. Mr. Browning contributed broad and detailed knowledge to the many University bodies on which he served. Mr. Browning is succeeded by Mr. William G. Nediger as Deputy Registrar. Mr. Nediger brings with him a broad

experience in the field of education and academic administration. Mr. J. W. T. Wilgar joins the Registrar's Department as Director of Admissions.

Dr. D. Owen Carrigan, Principal and Dean of Arts at King's College, relinquished his position with King's to accept the Presidency of St. Mary's University, Halifax. Under his direction, King's expanded its physical plant, became a coeducational institution and considerably broadened its academic perspective, notably in the field of Social Welfare. Our best wishes accompany him in his new and more challenging role. Dr. Carrigan is succeeded by Dr. Arnold F. McKee, an experienced academic administrator and noted political economist.

During this year, Dr. T. H. Pearce, the student body's representative on the Board of Governors, resigned to accept an academic appointment at the University of Georgia. His forthright counsel enriched the Board during his tenure. In May of this year, Dr. Walter Balderston, a Senate representative on the Board, tendered his resignation. He will spend the next year on study leave from the Department of History. His extensive knowledge of the University and its governance as well as his mature judgment added immeasurably to the deliberations of the Board. Mr. William L. Duffield, an honorary member of the Board, tendered his resignation after 29 years of devoted service both as an active and honorary member.

I am happy to record that Mr. J. Allyn Taylor and Mr. W. J. Evans have been reappointed to the Board of Governors for a further term of four years. Over the last five years, Mr. Taylor's incisive wisdom as a member and as Chairman of the Finance Committee of the Board has won the admiration of all elements of the University. Mr. Evans' keen appreciation of community needs and his practical acumen will continue to strengthen Board deliberations.

Many members of the Faculty, the Administration and the student body have brought outstanding honor to themselves and to the University: Vice-President [Academic] and Provost, R. J. Rossiter, "an internationally distinguished biochemist, a sympathetic physician, a sensitive teacher and a most effective and imaginative university administrator", was awarded the degree of Doctor of Laws, honoris causa, by York University; Waterloo Lutheran University awarded the degree of Doctor of Laws, honoris causa, to Geography Professor E. G. Pleva, "a gifted teacher, a distinguished academician and a great-hearted man"; Professor Paul de Mayo, internationally eminent photochemist, was awarded the Doctorat ès Sciences degree by the University of Paris -- Professor de Mayo was also elected a Fellow of the Royal Society of Canada; Dr. James McD. Robertson was awarded an Eleanor Roosevelt International Cancer Fellowship by the American Cancer Society; Professor J. R. Lander was appointed to Western's J. B. Smallman Memorial Chair of History; Professor Gordon G. Mogenson, Department of Physiology, was awarded a Nuffield Foundation Travel Grant to undertake advanced research in the United Kingdom; Professor J. B. Stothers was awarded the Merck Sharp and Dohme Lecture Award by the Chemical Institute of Canada for "distinguished contributions in organic chemistry in Canada"; Professor G. S. Rose, Department of Physics, was elected a Fellow of the Royal Society of Arts, London, England; Dr. G. G. Ferguson, Department of Clinical Neurological Sciences, received the 14th annual award of the American Academy of Neurological Surgery; Professor Murray L. Barr received the 1971 Distinguished Achievement Award from "Modern Medicine", a leading U.S. medical journal; and Professor Tsuyoshi Tsutsumi, Faculty of Music, was awarded the Prize of Excellence for his cello performance at the Arts Festival sponsored by the Ministry of Culture in Japan and, in addition, won Japan's Torii Music Prize for the greatest contribution made to musical culture in Japan during 1970 as well as the Osaka Critic Club Prize for the most excellent performance at the 12th annual Osaka International Festival.

Among our students the University is especially proud of the academic recognition achieved by Mr. Jonathan Michael Borwein who was awarded a 1971 Rhodes Scholarship. Our congratulations go also to Mr. Mark C. Goldenberg who was awarded the Sir John A. Macdonald Graduate Fellowship in Canadian History, and to Mr. Gregory L. Stoddard and Mr. Robert J. Woodham who were awarded Woodrow Wilson Fellowships, along with Mr. Robert J. McCalla who achieved Honorable Mention for a Woodrow Wilson Fellowship.

A special note of commendation is due to Mr. David R. Campbell, student chairman of Western's "Open House" held in November, 1970 and which attracted 30,000 members of the Greater London community to the campus. That "Open House" proved a resounding success was due in large part to Mr. Campbell's enthusiasm and organizational energy.

The University is always cognizant of its responsibilities to the academic community at large. During the course of this year, several of its members served in an executive capacity on Canadian and international bodies: Dean Douglas Bocking was elected President of the Association of Canadian Medical Colleges; Mr. George T. Lake was appointed Chairman, Subcommittee on Computer Services, by the Council of Ontario Universities; Mr. Peter F. Somerville was appointed Chairman, Ontario Universities' Television Council Subcommittee on Faculty Rights and Copyright; Professor Amy E. Griffin was elected Chairman of the Educational Committee of the Registered Nurses' Association of Ontario; Miss N. Eileen Healey [now Mrs. John Mountain] was elected President of the Ontario Region, Canadian Conference of University Schools of Nursing; Dr. J. B. Phipps [Plant Sciences] was elected Chairman of the Systematics and Phytogeography Section of the Canadian

Botanical Association; Professor Eric A. Beecroft was appointed as Canadian member to the Executive Committee of the International Union of Local Authorities; Mr. Claude Brown, Security Supervisor, was elected President of the Canadian Association of University Security Directors; Professor R. G. E. Murray, Chairman of the Department of Bacteriology and Immunology, was elected Vice-President of the American Society for Microbiology; Dr. R. E. Jordan was elected Chairman of the Scholarships Committee, International College of Dentists; Dr. Alan G. Slemon was elected Chairman of the Ontario Psychological Association; Dean J. G. Rowe was re-elected Chairman, Ontario Council of Deans of Arts and Science; Dr. H. R. Wilson was elected Vice-President of the Linguistic Circle of Ontario; Professor C. Grace Porterfield [Althouse College of Education] was elected Second Vice-President of the Home Economics Section of the Ontario Education Association; Dean J. A. F. Stevenson was appointed a foreign member of the Program Committee for the XXVI International Congress of Physiological Sciences; Mr. E. J. McLeod was elected Secretary of the Association of Student Awards Officers of Ontario; Professor D. G. G. Kerr was appointed Chairman of the Steering Committee to supervise the study of the feasibility of establishing a Canadian Research Information Centre for the Social Sciences; Professor John A. MacDonald was elected Chairman, London Chapter, Association of Professional Engineers of Ontario; Professor Richard F. Harland of Althouse College was appointed Consultant to the Canadian International Development Agency for a program to upgrade educational facilities in Guyana; and Professor C. F. J. Whebell was appointed first Chairman of the Ontario Geographic Names Board by the Minister of Lands and Forests.

Many other members of faculty have been awarded academic honors or hold executive appointments in learned societies here and abroad. I commend your attention to Part 2 of this report for a detailed record of their achievements.

In honor of their many years of distinguished service to this University, the Board of Governors this year awarded the first "Professor Emeritus" designations to retired members of faculty. On the recommendation of their respective faculties, the following retired members of faculty were so honored: Evelyn K. Albright [English]; R. L. Allen [Physics]; N. A. Bennetton [French]; E. K. Berzins [Physical and Health Education]; J. W. Burns [Chemistry]; W. E. Collin [French]; A. G. Dorland [History]; A. W. Durnford [Physics]; J. A. Gunton [Chemistry]; W. B. Harvey [Economics]; M. K. Inman [Economics]; H. K. Kalbfleisch [German]; A. B. Macallum [Biochemistry]; S. F. Maine [History and Summer School Extension]; J. D. Ralph [Classics]; G. H. Reavely [Geology]; E. E. Reilly [Economics]; E. Reitman [Library and Information Science]; F. Stiling [English]; C. Sivertz [Chemistry]; G. W. Stavray [Physiology]; W. P. Tew [Obstetrics and Gynaecology]; R. W. Torrens [French]; C. J. Treacy [Classics, King's College]; W. S. Turner [Althouse College of Education]; A. Dorothy Turville [French]; E. M. Watson [Pathological Chemistry]; R. A. Waud [Pharmacology]; and D. E. Woodburn [Music, Althouse College of Education].

It is a privilege to record that the Board of Governors this year authorized the appointment of official chaplains to the University on the recommendation of each of the denominational authorities concerned. The initial appointments are as follows:-

The Reverend E. J. Francom [Anglican Chaplain to the University]  
 The Reverend D. W. Johnson [Lutheran Chaplain to the University]  
 The Reverend R. T. A. Murphy [Roman Catholic Chaplain to the University]  
 The Reverend G. E. Rousom [United Church Chaplain to the University]  
 The Reverend J. Van Til [Christian Reformed Church Chaplain to the University]

The University proudly conferred honorary degrees on the following distinguished recipients:

207th Convocation - Autumn, 1970

John Frederick Foster	Commonwealth Universities' Administrator	Doctor of Laws
George Edward Hall	Vice-Chancellor [Retired]	Doctor of Science
William Wilfrid Jury	Archaeologist	Doctor of Laws
Harrie Stewart Wilson Massey	Mathematical Physicist	Doctor of Science

208th Convocation - Spring, 1971

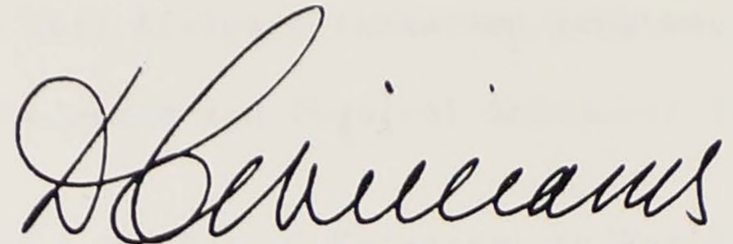
Helen Irene Battle	Zoologist	Doctor of Laws
Mother Dominica Dietrich	Academic Administrator	Doctor of Laws
Gustave Gingras	Rehabilitation Physician	Doctor of Laws
Guy Albert Lombardo	Musician	Doctor of Music
Maurice Frederick Strong	Undersecretary-General United Nations	Doctor of Laws
George Harold Reavely	Geologist	Doctor of Laws

This year marks the end of active participation by the University in the reconstruction of historic sites in Huronia on behalf of the Government of Ontario. In large measure, the burden of research, interpretation and construction of the Sainte-Marie site, and more recently of the Penetanguishene Military and Naval Establishments, has fallen on the capable shoulders of

Dr. Wilfrid Jury and his wife, Elsie. To them, the University and the people of Ontario will be eternally grateful for the living historic heritage with which they have endowed us.

The University is also deeply indebted to Mr. Vernon T. Mould under whose skilful and imaginative direction the Sainte-Marie Orientation Museum was recently completed. This magnificent interpretative museum is unique in North America. The University is indeed proud to have had such an intimate role in its planning, research and execution over the last several years.

This report would not be complete without my expressing my deepest gratitude to members of the Board of Governors, the Senate, the faculty, staff, and representatives of the student body for their sympathetic counsel and cooperation during the past year. The energy and devotion of these bodies and the skill and wisdom of their deliberations have contributed enormously to the firm establishment of a design for the Seventies.

A handwritten signature in cursive script, appearing to read "J. Bennehan". The signature is written in dark ink and is centered on the page.

AN ABBREVIATED CHRONOLOGY1970-19711970July

President D. C. Williams is elected Chairman of the Council of Ontario Universities (formerly the Committee of Presidents of the Universities of Ontario).

M. Gilles Gagnon is appointed Director, Trois Pistoles Summer School in Summer School and Extension Department.

Western hosts Canadian University Service Overseas West Africa orientation program.

Dr. R. Garth Kidd is appointed Assistant Dean (Biosciences and Physical Sciences) in Faculty of Graduate Studies.

Dr. W. H. Stockdale is appointed Assistant Dean (Arts and Social Sciences) in Faculty of Graduate Studies.

August

Plans are unveiled for University Community Centre.

Mr. R. M. Yeo is appointed Associate Director of Physical Plant.

Western's first Day Care Centre opens.

Talbot Theatre '70 presents "The Balcony", "The Memorandum", "The Recruiting Officer", "The Seagull" and "Happy Days".

September

Construction of new Faculty of Music building begins.

University establishes educational affiliation with the Jawaharal Institute of Post Graduate Medical Education and Research in Pondicherry, India.

Conditions of Appointment Terms, including promotion and tenure, resignation, suspension, and dismissal, sabbatical and study leaves, and political candidacy are approved by Board of Governors.

Dr. T. H. Pearce resigns as representative of the student body on the Board of Governors to accept appointment at the University of Georgia.

October

Honorary degrees at 207th Convocation are awarded to John Frederick Foster (LLD), George Edward Hall (DSc), William Wilfrid Jury (LLD) and Sir Harrie Stewart Wilson Massey (DSc).

Faculty of Medicine announces new Program in Communication Disorders.

Western offers first Canadian cable TV credit course in Computer Science.

1970 United Appeal campaign on campus raises \$56,500.

Social Science Centre - Phase 1 is approved by Board of Governors.

First sod turned for University Community Centre.

University holds "Open House" for the Greater London Community; 30,000 visitors attend.

Thousands of Alumni return to campus for annual Homecoming celebrations and continuing education conferences organized by the Faculties of Medicine, Nursing, Engineering Science and the School of Business Administration.

November

Mr. C. F. Way is appointed Secretary, The Board of Governors, succeeding Mr. B. E. Smith.

Board of Governors approves new pension plan for faculty members.

Morley Callaghan, honorary Alumnus of Western (DLitt, 1965) lectures on campus.

First official University Planner, Mr. Hans Schulz, joins Physical Plant staff.

Board of Governors announces Festschrift to be written in honor of Professor J. J. Talman, a series of essays entitled "Aspects of Ontario's First Hundred Years".

December

President's Medals for Literary Excellence in Periodical Literature are awarded to four Canadian writers: Alden Nowlan for best short story; Christina Newman for best general article; Glen Siebrasse for best single poem; and A. I. Silver for best scholarly article.

University total full-time enrolment reaches 13,987.

Major-General A. C. Spencer, distinguished engineer, soldier and University benefactor dies at age of 83.

Mr. Johnathan Michael Borwein, Faculty of Science, is named 1971 Rhodes Scholar.

Mr. J. P. Metras is presented with a personal portrait in honor of his outstanding record and service as Head Coach of the football Mustangs.

1971January

Mr. Peter F. Somerville, Coordinator of Instructional Media, is elected Chairman, London Board of Education.

Western makes tax history. A cheque for \$279,150 is presented to the City of London, marking the first time the University has paid regular taxes to the municipality.

"Ring of Iron", a report on Engineering Education in Ontario, designates Western as centre for environmental engineering.

Dr. Ramsey Gunton is appointed first incumbent of Richard Ivey Chair of Medicine, recently endowed by Richard and Jean Ivey Fund.

Mr. Chester F. Stevens, member and honorary member of Board of Governors for 25 years, dies at age of 85.

New commissary building is approved by Board of Governors.

Board of Governors approves new closed circuit Radio Station on campus under auspices of University Students' Council.

Appointments of first official "Chaplains to the University" are approved by Board of Governors.

February

Mr. Barry G. Browning, Deputy Registrar and Director of Admissions, resigns to become Registrar at University of Manitoba.

Senate approves report on integration of London Teachers' College with Western.

University Community Centre Directorate is established.

Twenty-one retired professors awarded "Professor Emeritus" rank.

Board of Governors approves Senate recommendation for establishment of coeducational residences.

March

Buckminster Fuller gives public lecture at Western as part of Gillette Co. of Canada Lecture Series presented by the School of Business Administration.

Mr. Michael Ondaatje, Department of English, receives \$2,500 Governor General's 1970 Literary Award for "The Collected Works of Billy the Kid".

Dr. Arnold F. McKee is appointed to succeed Dr. Owen Carrigan as Principal and Dean of King's College.

Mr. W. G. Nediger is appointed Deputy Registrar.

Althouse College of Education inaugurates Cooperative Program for Teacher Training (in Mathematics) with University of Waterloo.

Electoral Board is established to select new Chancellor to succeed retiring Chancellor A. W. Trueman.

April

Dean R. M. Dillon, Faculty of Engineering Science, is granted leave of absence for one year to become Executive Director of Task Force Hydro for Government of Ontario.

National Research Council awards totalling \$1,648,905 are granted to University faculty members in Pure and Applied Science and Social Science.

Professor William Warntz is appointed Chairman of Department of Geography.

Mr. J. W. T. Wilgar is appointed Director of Admissions.

Board of Governors approves Senate recommendation to construct Stevenson/Lawson bridge building.

UWO Faculty Association awards 32 scholarships to UWO students for academic excellence.

Professor J. J. Talman is named to Ontario Government Board of Trustees to prepare historical biographies of Prime Ministers of Ontario since Confederation.

Professor G. S. Graham is appointed to Chair of Military and Strategic Studies.

May

Board of Governors approves Senate recommendation for establishment of Faculty of Physical Education, effective July, 1972.

Professor A. I. Johnson is appointed Dean of Faculty of Engineering Science succeeding Professor R. M. Dillon.

Board of Governors extends appointment of Chancellor A. W. Trueman for six months.

Board of Governors awards contract for structural and associated trades work for Phase II of University Community Centre.

Professor E. G. Pleva is awarded honorary LLD by Waterloo Lutheran University.

Vice-President (Academic) and Provost, Professor R. J. Rossiter is awarded honorary LLD by York University.

Professor Paul de Mayo is elected Fellow of Royal Society of Canada.

Western is awarded 123 bursaries by Federal Government's Summer School Second Language Program, tenable at Trois Pistoles Summer School.

Board of Governors approves commission to Professor J. R. Gwynne-Timothy to prepare centenary edition of UWO history.

Honorary degrees are awarded at 208th Convocation to:

Helen Irene Battle (LLD)  
Mother Dominica Dietrich (LLD)  
Gustave Gingras (LLD)  
John Frederick Heard (LLD)  
Guy Albert Lombardo (MusD)  
George Harold Reavely (LLD)  
Maurice Frederick Strong (LLD)

Mr. Williams C. McPhillips is elected Alumni President for 1971-72 succeeding Mr. Donald M. Scott.

### June

Mr. John Shortreed retires as Director of Physical Plant after 24 years of service to Western.

Mr. R. M. Yeo is appointed Director of Physical Plant.

Ford Foundation awards \$250,000 to Dr. David T. Armstrong and associates to conduct research in field of Reproductive Biology.

Kates, Peat, Marwick and Company reports on recommendation for major reorganization of University administrative structure.

Board approves Senate recommendation for establishment of Department of Anthropology.

Mr. Ron McGraw is appointed Chairman of local Committee of Canadian University Service Overseas.

Dr. John Kunkel is appointed Chairman, Department of Sociology.

Professor Walter Balderston retires from Board of Governors.

Board of Governors approves, in principle, construction of a winter sports complex and an addition to the McIntosh Gallery.

Board of Governors approves Senate recommendation on UWO participation in Corporation for Upper Atmospheric Research.



THE UNIVERSITY SENATE

Report of Secretary

PROFESSOR J. K. WATSON

The Senate held twenty meetings in the year July 1, 1970, to June 30, 1971. Average attendance was 50 from a total membership of 70. The Vice-Chancellor presided at fourteen meetings, the Vice-Chairman of the Senate at five, and the Academic Colleague, as Pro-Chairman, at one. Three by-elections for elected membership were held.

Percentage analysis of attendance is presented below:

	<u>Number in Category</u>	<u>Attendance</u>
Ex officio, non voting	7	56.4
Ex officio, voting	17	73.5
Elected, representing faculties	35	78.0
Elected, representing student body	3	63.3
Elected, representing community	6	60.0
Appointed, Board of Governors	2	10.0
Observers, student	16	26.2

Two topics have been of particular concern to the Senate for more than three years - standards of behavior for the university community, and a schedule for faculty remuneration which would integrate payments for sessional teaching and research time.

A study of "Conditions of Appointment" has continued throughout the year. Recommendations were presented to the Board of Governors in the Spring of 1970 and approved in September. To complement "Conditions of Appointment" a system for faculty evaluation was necessary, and an Ad Hoc Committee was established to recommend such a system. This Committee had not reported to the Senate at the end of June.

Of serious import during the year was the students' response to "Conditions of Appointment". Despite the development of the document after more than three years of debate, the students requested reconsideration of their role in teaching evaluation and promotion processes. An Ad Hoc Committee was established for the purpose, which reported to the Senate in June. Discussion of the Report was deferred until the early fall.

Enrolment projections were revised during the year, and must be revised again as a result of the 1970-71 Senate action. In October, 1969, after the COOP '69 Report was considered by the Committee on University Affairs, the University was given autonomy for controlling its growth. The Senate thereupon established quotas for admission for 1970 and 1971, based on smaller percentages of the total provincial number of eligible applicants. Long-term projections were then based on these admission quotas and on the principle of controlled enrolment. In the year just ended, the Department of University Affairs twice requested the University to reconsider its previous stand. In February, 1971, the admission quota for September, 1971, was escalated to 3,660, to comply with the first request. Four months later in June, the quota was further increased to a figure not to exceed 4,000 following a late Spring appeal from the Department.

Several issues of long-standing concern were brought to fruition during the year - terms of agreement for the Affiliated Colleges, integration of teacher training, and coordination of Athletics with programs in Physical and Health Education. The solution to other problems is pending - integration of counselling services, design of a University diploma, recommendations of the Academic Commissioner, review of the University Act, and future policy for part-time studies.

Perhaps the greatest change in academic policy, succeeding the destructuring of general programs in early 1970, was the Senate's approval of half-course offerings in some subjects for general programs. This was a reversal of former policy which had resisted for many years the fragmentation of subject areas into specialized zonings.

Of significance also was the re-definition of "mature applicants" and revision of admission policy for them which had been in effect since 1965.

Academic penalties were enacted, to be applied to students failing to pay fees and to those failing to return or replace borrowed University property. The penalties were defined as

the withholding of examination reports, transcripts, degree diplomas, permits to register, registration privileges, until indebtedness to the University had been cleared.

In December, 1970, Mr. Philip Jobling, Assistant to the Secretary of Senate, died tragically on his way to England. In June, 1971, Dr. Alastair Sweeny was appointed to replace him. Dr. Sweeny will edit the Composite Calendar and will be responsible for a new Senate publication, "Western Times".

The Senate Manual, describing terms of reference and composition of all Standing, Ad Hoc and Advisory Committees of the Senate, as well as its Councils, is published annually, after membership changes have been established by each new Senate.

This report commenced with an analysis of Senate attendance, since attendance has been recognized by the University Act as being a significant factor in the operation of Senate. Members of Senate also attended innumerable meetings of Committees of Senate. The Manual lists the following:

Nine Standing Policy Committees  
 Nine Standing Operational Committees  
 Three Standing Advisory Committees  
 Six Ad Hoc Committees  
 Twelve Subcommittees  
 Six Senate Councils

Some of the work of the Senate and its Committees is reflected in the recommendations made to the Board of Governors during the year.

Conditions for fourteen scholarships and awards.  
 Terms of agreement, Affiliated Colleges.  
 Proposal for integration of London Teachers' College.  
 Proposal for administrative structure, Athletics and Physical and Health Education.  
 Department of Anthropology, Department of Plant Sciences.  
 Residences, committees of the Board.  
 Capital Expansion for Health Sciences, Stevenson/Lawson Bridge Building, Faculty of Science, Services Building, Winter Sports Complex, McIntosh Gallery.  
 Budget Model, 1971-72.  
 Funding, research on museum collections.  
 Professorship in Military and Strategic Studies.  
 Policy for publication of research, subsidization of research.  
 Policy for research involving human subjects.  
 Membership in Corporation for Upper Atmosphere Research.  
 Joint Committee of Senate/Board/Faculty Association to examine "Extra Remuneration".  
 Membership, University Community Centre Directorate.

## OFFICE OF THE REGISTRAR

Report of the Registrar

PROFESSOR J. K. WATSON

The Statistical Report of the Registrar was published in early July, 1971, and analyzes registration data for the year just concluded. It is the earliest date in our history for the compilation and publication of current statistics. It is also the earliest date for placing them into historical perspectives, through comparative tables.

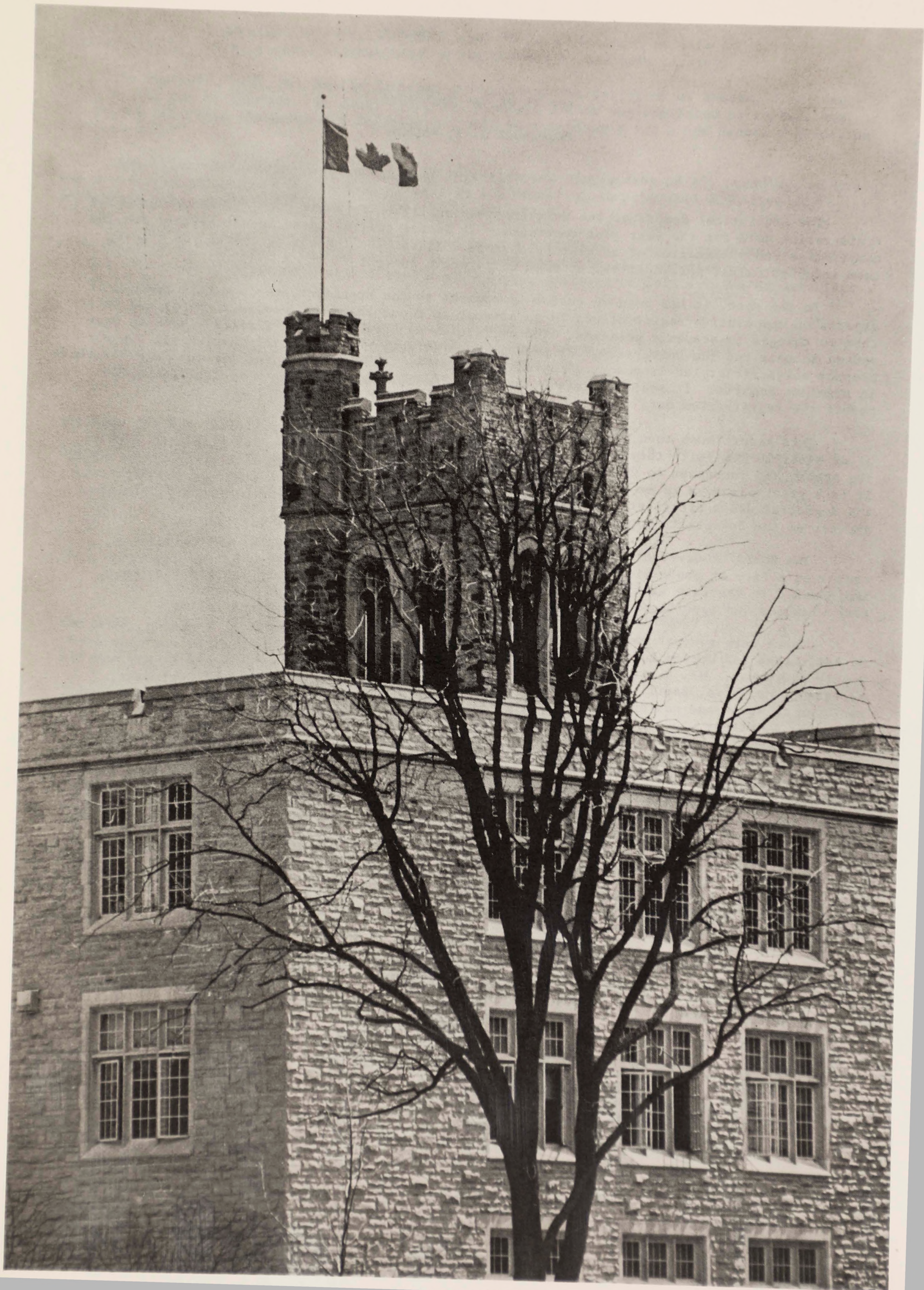
In the past, it has been my custom to comment to the President, through this Report, on aspects of comparative registrations in an attempt to focus them into academic trends and relate them to changes in academic policies. The curriculum upheavals of the "Sixties", both in Secondary Schools and the University, may perhaps have already been adequately evaluated. In our present multi-faculty environment, I may already have sufficiently analyzed the academic variables in previous Reports. It seems therefore that the time has come to break with tradition, and permit the registration data to be self-explanatory.

This Report must then comment upon the administration of Senate policies, and the capacity of my staff to deal with them. In 1966-67, there were 12,432 active student files, in 1970-71, the number had increased to 20,819, an average increase of over 1,600 in each of the five years. It is a great pleasure to me to report that once more the members of the staff of the Office of the Registrar dealt efficiently with all the problems presented by the accelerated enrolments, and served the University competently, loyally and cooperatively.

The Board of Governors, in planning for the administrative future of the University, consulted a firm of professional planners. Recommendations for the Office of the Registrar were implemented in the late winter, and separate departments within the Office were established, each with its own specifically defined responsibilities.

There were several changes in senior staff during the year. Mr. B. G. Browning, Director of Admissions and Deputy Registrar, resigned in January, 1971. Mr. W. G. Nediger was appointed Deputy Registrar. Mr. J. A. S. McNeil, Secondary School Liaison Officer resigned in May and his assistant, Mr. W. A. Barill, succeeded him. Mr. R. P. W. McCutcheon, Assistant Registrar, resigned in April and has been succeeded by Mr. I. P. Suttie of the Computer Science Department. Mr. J. W. T. Wilgar was appointed to the position of Admissions Officer.

Through the medium of this Report, I would like to thank all those of my staff, and of the faculty, who have worked with me since the early 1960's in building up a philosophy of service to the University through this Office.



OFFICE OF THE COMPTROLLER

Report of the Comptroller

MR. R. R. GLOVER

The steady expansion which has characterized the University scene for the past several years continued in 1970-71 and is reflected in the accompanying financial statements. Operating expense of the constituent University increased by approximately 15 per cent over the preceding year and reached an all-time high of slightly over \$47,000,000. Fortunately, revenue arising principally from the Provincial formula financing plan kept pace, so that the year resulted in a modest operating surplus of approximately \$300,000. This, when added to the accumulated surplus from prior years, will be of inestimable assistance in the next few years during which financing difficulties are anticipated.

The growth in size and activity of the Ancillary Enterprises is also evident in the statements, which show an increase of about 12 per cent in the level of expenses over the previous year, reaching a total of approximately \$6,600,000.

Statements of Althouse College of Education are appended as well, showing an increase of about 7 per cent over 1969-70.

In addition to the amounts shown in the accompanying statements, the University expended during the year \$14,683,599 from capital funds for land, buildings and equipment. At June 30, 1971, the value of fixed assets, at cost, totalled almost \$114,000,000, an increase of \$18,000,000 in the year under review.

The University of Western Ontario

Statement of Operating Revenue and Expense  
For the year ended June 30, 1971  
(with comparative amounts for the year 1970)

	1971		1970	
	\$	%	\$	%
<b>Revenue:</b>				
Student academic fees	7,024,322	14.8	6,208,729	14.9
Income received from investments (including general endowment)	664,088	1.4	759,100	1.8
Gifts and grants for operating purposes	112,835	.2	112,617	.3
Miscellaneous	1,235,777	2.6	1,070,359	2.6
	<u>9,037,022</u>	<u>19.0</u>	<u>8,150,805</u>	<u>19.6</u>
<b>Government grants for operating purposes:</b>				
General				
Provincial	31,613,844	66.5	25,886,961	62.4
Municipal - City of London	102,250	.2	151,250	.3
Restricted - Provincial				
Faculty of Dentistry	-	-	403,920	1.0
School of Library and Information Science	-	-	175,000	.4
Computer Facilities	-	-	535,054	1.3
Municipal Tax Grant	279,150	.6	-	-
	<u>31,995,244</u>	<u>67.3</u>	<u>27,152,185</u>	<u>65.4</u>
Grants for assisted research (as applied)	<u>6,490,793</u>	<u>13.7</u>	<u>6,210,419</u>	<u>15.0</u>
<b>Total revenue</b>	<u>47,523,059</u>	<u>100.0</u>	<u>41,513,409</u>	<u>100.0</u>
<b>Expense:</b>				
Instruction	28,667,591	60.7	24,876,172	60.6
Libraries	3,295,790	7.0	3,055,812	7.4
Assisted research	6,490,793	13.7	6,210,419	15.1
	<u>38,454,174</u>	<u>81.4</u>	<u>34,142,403</u>	<u>83.1</u>
Administration	1,723,246	3.6	1,468,888	3.6
Alumni and Information Services	331,819	.7	292,524	.7
Plant operation and maintenance	3,975,873	8.4	3,168,179	7.7
Undistributed staff benefits	362,094	.8	447,594	1.1
Provision for staff benefit improvements	319,700	.7	-	-
Other expenditures	648,702	1.4	733,827	1.8
Alterations and renovations	692,560	1.5	478,201	1.2
Temporary buildings	713,654	1.5	338,059	.8
<b>Total operating expense</b>	<u>47,221,822</u>	<u>100.0</u>	<u>41,069,675</u>	<u>100.0</u>
Excess of revenue over expense	<u>301,237</u>		<u>443,734</u>	
<b>Deduct:</b>				
Provision for annuity expense	-		400,000	
Provision for University Theatres	16,908		-	
<b>Excess of revenue over expense carried forward</b>	<u>\$ 284,329</u>		<u>\$ 43,734</u>	

The University of Western Ontario

Statement of Operating Revenue and Expense  
Ancillary Enterprises  
For the year ended June 30, 1971  
(with comparative amounts for the year 1970)

	1971		1970	
	\$	%	\$	%
<u>Revenue:</u>				
Food Services	1,181,718	18.1	1,078,337	18.3
Residences	3,250,727	49.8	2,946,421	49.9
Bookstore	1,495,665	22.9	1,352,360	22.9
Health Services	82,628	1.3	71,823	1.2
Athletics	315,759	4.8	282,258	4.8
Parking	204,299	3.1	173,663	2.9
	<u>6,530,796</u>	<u>100.0</u>	<u>5,904,862</u>	<u>100.0</u>
<u>Expense:</u>				
Food Services	1,178,711	17.9	1,083,788	18.4
Residences and apartments operations	2,548,957	38.6	2,470,604	42.0
mortgage payments	691,868	10.5	455,208	7.8
Bookstore - operations	1,504,203	22.8	1,302,170	22.2
special purpose grants	15,000	.2	15,000	.2
Health Services	149,173	2.3	117,287	2.0
Athletics	325,681	4.9	271,337	4.6
Parking	185,923	2.8	165,488	2.8
	<u>6,599,516</u>	<u>100.0</u>	<u>5,880,882</u>	<u>100.0</u>
Excess (deficiency) of revenue over expense, carried forward	<u>(68,720)</u>		<u>23,980</u>	

The Althouse College of Education

Statement of Operating Revenue and Expense  
For the year ended June 30, 1971  
(with comparative amounts for the year 1970)

	1971		1970	
	\$	%	\$	%
<u>Revenue:</u>				
Student academic fees	443,458	14.6	267,258	11.1
Income received from investments	26,362	.9	41,201	1.7
Provincial grants for operating purposes	2,443,000	80.3	2,080,000	86.7
Grants for assisted Research (as applied)	129,236	4.2	11,111	.5
	<u>3,042,056</u>	<u>100.0</u>	<u>2,399,570</u>	<u>100.0</u>
<u>Expense:</u>				
Instruction	2,447,833	79.9	2,402,312	83.9
Libraries	133,679	4.4	123,807	4.3
Assisted Research	129,236	4.2	11,111	.4
	<u>2,710,748</u>	<u>88.5</u>	<u>2,537,230</u>	<u>88.6</u>
Administration	208,654	6.8	182,928	6.4
Plant operation and maintenance	144,351	4.7	137,719	4.8
Health Services*	-	-	6,837	.2
	<u>3,063,753</u>	<u>100.0</u>	<u>2,864,714</u>	<u>100.0</u>
Excess (deficiency) of revenue over expense, carried forward	<u>(21,697)</u>		<u>(465,144)</u>	

\* In 1971, the Health Services expense of Althouse College of Education was combined with that of the University and is reported in the Ancillary Enterprises statement.

FACULTY OF GRADUATE STUDIES

Report Prepared by

Professor R. G. Kidd, Assistant Dean

On July 23rd, Dean J. A. F. Stevenson died suddenly in Zurich, Switzerland, on route to a meeting of the International Union of Physiological Sciences.

The J. A. F. Stevenson Memorial Scholarship Fund has been established in memory of the manifold contributions made by Professor Stevenson to this University, to the London community, and to international science.

The past year has been one of significant change for the Faculty of Graduate Studies. Under the direction of the late Professor J. A. F. Stevenson, the administrative responsibilities of the Faculty office were re-organized and extended to cope with the demands of increased enrolment and the advent of intervention by provincial government in graduate affairs.

On July 1, 1970, Dr. R. G. Kidd, Department of Chemistry, took up the duties of Assistant Dean, responsible for the Divisions of Biosciences and Physical Sciences replacing Dr. H. W. Baldwin in this position. On the same date, Dr. W. H. Stockdale, Department of History, took up the duties of Assistant Dean, responsible for the Divisions of Arts and Social Sciences, replacing Dr. W. J. McClelland in this position.

After coordinating many of the daily tasks of the office for three years, Mrs. Gwen Taylor transferred her quiet efficiency and eye for detail from the office to the home. Our best wishes go with Gwen in her new activities. In May, Mr. Maurice Davidson was appointed Administrative Officer, responsible for the overall supervision of office procedures and staff. Responsibility for the acceptance and processing of theses was transferred from the Library to the Faculty office and Mrs. Carolyn McNamara joined the staff as an Administrative Officer to supervise this task.

In September the office moved out of Stevenson Hall into temporary quarters in the Portable Building adjacent to the McIntosh Gallery. The secretarial staff of the office now stands at seven.

REGISTRATION

Graduate enrolment figures grouped according to the four Divisions of the Faculty are shown in Table 1 for the last five-year period. Full-time enrolment increased by 9.9 per cent from 1,590 to 1,747 during the past year. This represents a sharp drop from the growth rate of 22 per cent in the preceding year. Beginning in 1971-1972 the registration status of non-resident students will no longer be distinguished from that of part-time students. This impending change is reflected in the 1970-1971 part-time enrolment figures which now contain those students previously classed as non-resident. The part-time plus non-resident enrolment increased by 52 per cent from 242 to 369, in line with the corresponding growth rate of 52 per cent in the preceding year.

Table II compares 1969-1970 enrolment on a Departmental basis. The Biosciences, Physical Sciences, and Social Sciences Division all showed uniform growth in their total enrolment in the range 25 ± 2 per cent. The Arts Division total enrolment increased by 37 per cent, accounted for by sizeable increases in English, French and Music.

Full-time registration for the Summer Term 1971 stood at 917, down slightly from the 931 figure for the Summer Term 1970.

DEGREES CONFERRED

The graduate degrees conferred at the October, 1970, and the June, 1971, convocations are summarized by Division in Table III, along with the corresponding data for the previous four years. The rapid enrolment increases of the past several years are reflected in the 30 per cent

increase in total number of degrees conferred over the past year. A detailed breakdown by Department for the past two years is given in Table IV.

#### POSTDOCTORAL FELLOWS

The Graduate Studies Standing Committee on Postdoctoral Fellows has compiled a register of postdoctoral fellows on campus during the past year. This shows that during 1970-1971 these fellows were distributed as follows:

Arts Division	0
Biosciences Division	27
Physical Sciences Division	63
Social Sciences Division	<u>0</u>
<u>Total</u>	90

Continuing efforts were made by the Ontario Council of Graduate Studies during the past year to have the presence at the universities of these research people recognized by the Provincial operating grants formula. This recognition has not yet been achieved.

#### GRADUATE STUDENT FINANCIAL SUPPORT

##### a) Ontario Graduate Fellowships

The quota for the University of Western Ontario, based upon enrolment for the previous year in eligible programs, was 247 awards, as compared with 285 in 1969-1970. Two awards committees allocated to Departments the 189 awards available to the Arts and Social Sciences and the 58 awards available to the Sciences. During the summer of 1971, 139 students held Summer Supplements to their OGF awards, as compared with 231 in the summer of 1970. In February, the Department of University Affairs announced that the total number of Ontario Graduate Fellowships available for 1971-1972 would be reduced by about 35 per cent below the current quotas.

##### b) National Research Council Awards

The University received thirteen NRC Bursaries, based upon enrolment in eligible disciplines in 1969-1970, and these were awarded on the basis of academic standing by the Sciences Awards Committee. In addition to these, 66 students who received NRC Scholarships awarded directly by the National Research Council in Ottawa were studying at this University.

##### c) Canada Council Awards

The list of awards announced by Canada Council in March, 1970, contained the names of 88 doctoral candidates presently studying at this University.

##### d) Special Teaching Assistantships

During 1970-1971, 48 students received financial support directly from the Faculty of Graduate Studies in the form of Special Teaching Assistantships. Many other students received teaching assistantship support from the Department in which they were studying.

#### NEW GRADUATE PROGRAMS

During the past year the Internal Appraisals Committee has received and/or considered the following proposals for new graduate programs:

MClin Dent in Orthodontics  
 MEd (Guidance and Administration) in Education  
 MAT in Teaching  
 MA in Journalism  
 PhD in Sociology

The PhD program in Library and Information Science and the PhD program in Political Science, previously approved by the Internal Appraisals Committee, received the approval of the Ontario Council on Graduate Studies Appraisals Committee, making them eligible for financial support under the operating grant formula.



GOVERNMENT INTERVENTION

During the past year the Department of University Affairs through its Minister has expressed concern over two aspects of postgraduate study in the Province:

- a) The high rate of increase in graduate enrolment relative to the decreasing employment prospects for graduate degree holders.
- b) The high proportion of non-Canadian students in the graduate schools of the Province.

In an effort to reduce the overall rate of growth, DUA has issued a directive requiring all Ontario universities to charge a uniform graduate tuition fee beginning with the Fall 1971 Term which is roughly 35 per cent higher than that charged previously. The directive also places a ceiling of \$1,800 per annum on the value of a teaching assistantship which the university can pay to a full-time graduate student. These two factors, together with a one-third reduction in the number of Ontario Graduate Fellowships provided by DUA will probably have a marked effect upon graduate enrolment in 1971-1972. Both the University and the Government will be watching these enrolment figures to see how the enrolment pattern will be affected.

MEMBERSHIPS

During the past year, the University, through the Faculty of Graduate Studies, held memberships in the following international organizations:

- a) Inter-University Consortium for Political Research
- b) Institute for Strategic Studies
- c) Ontario Co-operative Program in Latin American and Caribbean Studies
- d) Institute of Historical Research
- e) Canadian Association of Graduate Schools
- f) Canadian Review of American Studies

TABLE IANNUAL REGISTRATION

<u>FULL-TIME</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>	<u>1969-70</u>	<u>1970-71</u>
Arts	93	99	130	181	211
Biosciences	194	225	261	306	319
Physical Sciences	217	255	310	314	338
Social Sciences	443	534	601	789	879
<b>TOTAL</b>	<b>947</b>	<b>1,113</b>	<b>1,302</b>	<b>1,590</b>	<b>1,747</b>
 <u>PART-TIME</u>					
Arts	47	44	29	25	72
Biosciences	7	15	10	5	75
Physical Sciences	20	21	14	19	74
Social Sciences	38	43	18	43	148
<b>TOTAL</b>	<b>112</b>	<b>123</b>	<b>71</b>	<b>92</b>	<b>369*</b>
<u>NON-RESIDENT</u>	41	80	88	150	-
<u>GRAND TOTAL</u>	<b>1,100</b>	<b>1,316</b>	<b>1,461</b>	<b>1,832</b>	<b>2,116</b>

\* Includes non-resident

TABLE II

FACULTY OF GRADUATE STUDIES  
REGISTRATION 1970-1971

Note: Registration for 1970-1971 is reported (as of October 30, 1970) employing the Divisions for the groupings of departments, faculties, schools and professional degree programmes as outlined in the constitution of the Faculty of Graduate Studies. For comparison, the Registration as of October 1, 1969, is reported using the same Divisions.

DIVISION	Prerequisite		Master's		PhD		Total 70-71	Total 69-70
	FT	PT	FT	PT	FT	PT		
<b>ARTS</b>								
Classics	0	0	11	2	0	0	13	10
English	34	5	44	18	29	9	139	84
French	2	1	15	9	12	10	49	37
German	1	0	3	1	1	1	7	8
Music	0	0	12	0	0	0	12	4
Philosophy	3	0	14	2	19	9	47	44
Spanish	1	0	10	5	0	0	16	19
	41	6	109	37	61	29	283	206
<b>BIOSCIENCES</b>								
Anatomy	1	1	7	1	12	0	22	19
Bacteriology	1	0	5	0	9	2	17	19
Biochemistry	1	0	10	1	10	2	24	25
Biophysics	0	0	9	1	11	0	21	17
Botany	0	0	10	2	27	2	41	35
Epidemiology	0	0	1	1	1	0	3	2
Pathology	0	0	2	2	3	0	7	8
Pathological Chem.	0	0	5	0	3	1	9	7
Pharmacology	0	0	5	3	6	0	14	10
Physical Education	1	1	20	19	0	0	41	31
Physiology	8	0	12	2	16	1	39	26
Psychology	10	0	37	10	32	16	105	72
Zoology	6	0	26	1	11	5	49	40
MClSc	0	0	1	1	0	0	2	0
	28	2	150	44	141	29	394	311
<b>PHYSICAL SCIENCES</b>								
Applied Math.	0	0	4	0	13	2	19	17
Astronomy	0	0	11	3	2	0	16	12
Chemistry	0	0	22	1	64	8	95	80
Computer Science	4	5	17	10	0	0	36	21
Engineering	0	0	67	14	32	8	121	86
Geology	1	0	13	4	17	4	39	35
Geophysics	1	0	8	0	9	2	20	14
Mathematics	2	0	9	4	13	2	30	29
Physics	0	0	21	1	18	6	46	39
	8	5	172	37	158	32	412	333
<b>SOCIAL SCIENCES</b>								
Business	0	0	394	0	24	4	422	377
Economics	11	0	27	0	37	10	85	62
Geography	6	0	25	26	23	11	91	55
History	8	2	35	11	7	12	75	45
Library Science	32	4	158	24	0	0	218	211
Nursing	12	16	8	2	0	0	38	19
Political Science	5	0	26	19	6	0	56	28
Sociology	9	3	26	4	0	0	42	35
	83	25	699	86	97	37	1,027	832
<b>TOTAL</b>	<b>160</b>	<b>38</b>	<b>1,130</b>	<b>204</b>	<b>457</b>	<b>127</b>	<b>2,116</b>	<b>1,682</b>

1970-19711969-1970FULL-TIME

Prerequisite	160
Master's	1,130
PhD	<u>457</u>

<u>Total</u>	<u>1,747</u>
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PART-TIME\*

Prerequisite	38
Master's	204
PhD	<u>127</u>

<u>Total</u>	<u>369</u>
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TOTAL2,116FULL-TIME

Prerequisite	162
Master's	1,023
PhD	<u>405</u>

<u>Total</u>	<u>1,590</u>
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PART-TIME

Prerequisite	18
Master's	64
PhD	<u>10</u>

<u>Total</u>	<u>92</u>
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<u>NON-RESIDENT</u>	150	<u>150</u>
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TOTAL1,832

\* Includes non-resident.

TABLE III

DEGREES CONFERRED

Classified by Division to show 5-year trend

<u>Arts Division</u>	<u>1966-67</u>	<u>1967-68</u>	<u>1968-69</u>	<u>1969-70</u>	<u>1970-71</u>
PhD	1	0	4	2	4
MA	<u>24</u>	<u>20</u>	<u>29</u>	<u>81</u>	<u>68</u>
Subtotals	25	20	33	83	72
<u>Biosciences Division</u>					
PhD	14	25	19	25	28
MSc	19	20	26	24	29
MClSci	0	0	0	0	0
MA	<u>16</u>	<u>24</u>	<u>23</u>	<u>20</u>	<u>26</u>
Subtotals	49	69	68	69	83
<u>Physical Sciences Division</u>					
PhD	15	17	25	31	25
MSc	17	14	22	42	45
MESci	8	6	13	21	11
MEng	0	8	18	14	22
MA	<u>22</u>	<u>13</u>	<u>5</u>	<u>8</u>	<u>6</u>
Subtotals	62	58	83	116	109
<u>Social Sciences Division</u>					
PhD	0	1	3	5	10
MA	52	34	48	63	64
MBA	125	134	154	168	202
MLS	0	0	48	62	198
MScN	4	7	1	7	8
MSc	<u>2</u>	<u>2</u>	<u>0</u>	<u>0</u>	<u>2</u>
Subtotals	183	178	254	305	484
<u>TOTALS</u>	<u>319</u>	<u>324</u>	<u>438</u>	<u>573</u>	<u>748</u>

TABLE IV

## DEGREES CONFERRED

Classified by Discipline to show 2-year comparison

<u>Arts Division</u>	<u>PhD</u>		<u>MA</u>	
	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>
	Classics	0	0	6
English	0	2	49	39
French	2	2	3	6
German	0	0	3	2
Music	0	0	0	0
Philosophy	0	0	14	6
Spanish	0	0	6	5
<u>TOTALS</u>	2	4	81	68

<u>Biosciences Division</u>	<u>PhD</u>		<u>MSc</u>		<u>MA</u>	
	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>
	Anatomy	1	2	2	1	0
Bacteriology	1	2	1	7	0	0
Biochemistry	5	3	4	1	0	0
Biophysics	0	3	0	0	0	0
Epidemiology	1	0	0	0	0	0
Medical Research	0	0	0	0	0	0
Pathology	1	1	3	3	0	0
Pathological Chemistry	0	0	1	0	0	0
Pharmacology	1	2	4	3	0	0
Physical & Health Educ.	0	0	0	0	4	9
Physiology	2	0	3	5	0	0
Plant Science	4	5	3	3	0	0
Psychology	7	7	0	0	16	17
Zoology	2	3	3	6	0	0
<u>TOTALS</u>	25	28	24	29	20	26

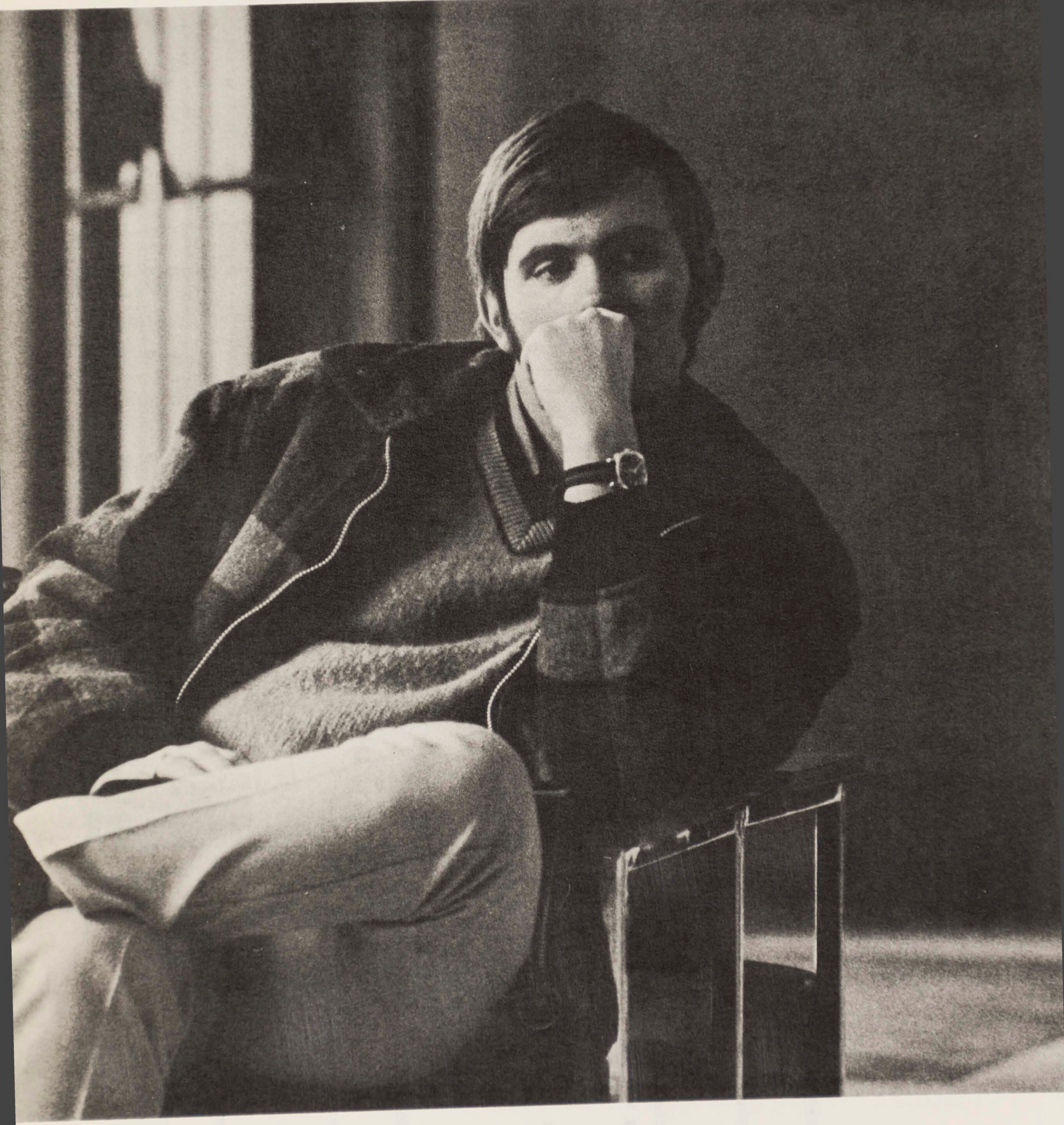
Continued on page 13.

TABLE IV (continued)

DEGREES CONFERRED

Classified by Discipline to show 2-year comparison

<u>Physical Sciences Division</u>	<u>PhD</u>		<u>MSc</u>		<u>MA</u>		<u>MESc</u>		<u>MEng</u>			
	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>		
Applied Mathematics	1	1	7	3	0	0	0	0	0	0		
Astronomy	1	0	1	6	0	0	0	0	0	0		
Chemistry	16	8	6	5	0	0	0	0	0	0		
Computer Science	0	0	13	9	0	0	0	0	0	0		
Engineering Science	1	3	0	0	0	0	21	11	14	22		
Geology	6	4	3	4	0	0	0	0	0	0		
Geophysics	0	0	2	4	0	0	0	0	0	0		
Mathematics	2	4	0	0	8	6	0	0	0	0		
Physics	4	5	10	14	0	0	0	0	0	0		
<u>TOTALS</u>	31	25	42	45	8	6	21	11	14	22		
<u>Social Sciences Division</u>	<u>PhD</u>		<u>MA</u>		<u>MBA</u>		<u>MLS</u>		<u>MSc</u>		<u>MScN</u>	
	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1969-70</u>	<u>1970-71</u>
Business Administration	0	3	0	0	168	202	0	0	0	0	0	0
Economics	2	3	18	21	0	0	0	0	0	0	0	0
Geography	1	1	9	13	0	0	0	0	0	2	0	0
History	2	3	22	10	0	0	0	0	0	0	0	0
Library Science	0	0	0	0	0	0	62	198	0	0	0	0
Nursing	0	0	0	0	0	0	0	0	0	0	7	8
Political Science	0	0	3	6	0	0	0	0	0	0	0	0
Sociology	0	0	11	13	0	0	0	0	0	0	0	0
<u>TOTALS</u>	5	10	63	64	168	202	62	198	0	2	7	8



## FACULTY OF ARTS

Report of the Dean

PROFESSOR J. G. ROWE

The year was notable for the full and rigorous implementation of procedures on appointment, promotion and tenure based on the document Conditions of Appointment. By and large, these new procedures have won the respect and support of the entire Faculty. It is my conviction that the implementation of these procedures will prove an important milestone in the Faculty's journey towards even higher standards of excellence.

Of even greater importance was the presentation and acceptance by the Council of the Faculty of Arts of the Report of the Faculty of Arts Review Committee chaired by Professor John Graham. The Committee had been charged with a thorough investigation of the Faculty's curriculum and teaching methods. The results of the Committee's deliberations were examined in detail by Council before their acceptance. Passage by Council was the signal for the individual departments to begin significant revisions in their programs. The effect of the Report has only begun, and the Faculty remains deeply indebted to Professor Graham and his colleagues. I would expect that the Report, over the years, will stimulate both departments and individual faculty members in their search for genuine and lasting innovation in the teaching of the Humanities.

It is my sad duty to report the death of Dr. L. J. S. Metford, Professor of French and Director of the new Language Laboratories in August, 1970. Our present splendid Language Laboratories are almost entirely the result of Professor Metford's wisdom and brilliance. To date we have not named his successor.

The year 1970-71 saw the completion of twenty-five years of service by Professors A. B. Conron and W. E. D. Atkinson of the Department of English, and by Professor R. N. Shervill of the Department of Spanish and Italian. Much is owed by us all to their skill and dedication.

### DEPARTMENTAL DEVELOPMENTS

#### CLASSICAL STUDIES

During the year Senate approved three new courses: Classics 30, Ancient Rhetoric and Literary Criticism, Classics 40, Greek History and Classics 41, Roman History.

The High School lecture series continued under the capable supervision of Professor A. R. Littlewood. Lectures were given by Professor D. E. Gerber ("Ancient Medicine and Dentistry"), Mrs. R. J. Littlewood ("Roman Art") and A. R. Littlewood ("The Druids"). The series will continue in 1971-72.

March 13 was devoted to a Colloquium on Horace. Three papers were delivered on different aspects of Horace's poetry to an audience of approximately eighty. This was the second annual colloquium sponsored by the department and the interest shown has been such that the department intends to sponsor a colloquium on a different classical author or topic each year.

The faculty and students of the department devoted considerable time and effort towards making their display at Open House one of the most successful. Special mention should be made of Mr. Carbone who admirably coordinated the department's displays.

#### ENGLISH

The department continued to use team teaching in all three of its freshman courses: English 20, 24 and 26. The method has been very successful and the department intends to continue using it in 1971-72. Two new courses were introduced in the General Program: English 35 (The Bible as Literature) and English 38 (Canadian Literature and Culture). Both proved popular with students. The new honors program went into effect in September, 1970, and the result was a dramatic increase in course registrations. The Honors English and Drama program was greatly enhanced by the availability of room 204 in University College as a drama workshop. This was the first year in which such space was available to the department and it proved invaluable as a means of giving the students demonstrations of speech, movement and acting styles. Cooperation with the Stratford Festival has been steadily increasing and this has done much to enhance the Honors English and Drama program.

The department sponsored three major productions in Talbot Theatre this year: O'Neill's A Touch of the Poet (directed by Kenneth Livingstone), Euripides' Alkestis (directed by George House) and Ionesco's The Chairs (directed by Rae Davis).

Eleven MA degrees were awarded at the Fall Convocation of 1970. At the Spring Convocation, 1971, the department's first two PhD degrees were awarded. As well, twenty-one MAs were awarded at the Spring Convocation. It is expected that two more PhD degrees will be awarded at the Fall Convocation of 1971, as well as some twenty odd more MAs.

During the spring term the department sponsored a series of public lectures to mark the tercentenary of the publication of Milton's Paradise Regained and Samson Agonistes.

#### FINE ART

The Department of Fine Art saw the completion of its basic four-year program in a new temporary building, and the graduation of its first class in Honors Fine Art.

The introduction of a new art history survey course in First Year extended the range of Fine Art courses open to students not majoring in the subject. The implementation of four Fourth-Year courses completed the minimum requirements of the Honors Program. Approval was also given for a Combined Honors Program in Fine Art and German, to be offered in September, 1971.

The department's slide collection rose to approximately 28,000 mounted slides, with an additional 11,000 either ordered or photographed during the year. Loans to other departments totalled 2,356.

On April 17, 1971, the department was host to a gathering of Chairmen and representatives from Ontario Fine Art Departments.

Exhibitions by Faculty of the Department of Fine Art during the year were as follows:

- |                    |  |
|--------------------|--|
| de Kergommeaux, D. | "Manitoba Centennial Caravan" designed for Secretary of State and Province of Manitoba, June, 1970 - September, 1970.  |
| de Kergommeaux, D. | "New Banners by Duncan de Kergommeaux", Memorial Art Gallery, St. Johns, Nfld., July - August, 1970.   |
| de Kergommeaux, D. | "7 London Artists", London Public Library and Art Museum, February, 1971.  |
| de Kergommeaux, D. | "New Banners by Duncan de Kergommeaux", Confederation Art Gallery, Charlottetown, P.E.I., June, 1971.  |
| Fenwick, R.        | Faculty Show, McIntosh Gallery, September, 1970.   |
| Fenwick, R.        | Three Man Show, London Library and Art Museum, October, 1970.  |
| Fenwick, R.        | One-Man Show, Nancy Poole Gallery, London, November, 1970.   |
| Urquhart, A. M.    | "Reunion", major retrospective picked from 17 years work, 1953-1970, London Public Library and Art Museum, November, 1970, Rodman Hall, St. Catharines, December, 1970, Sir George Williams University, Montreal, January, 1971. |
| Urquhart, A. M.    | One-Man Show - opening boxes and related drawings, Isaacs Gallery, April, 1971.  |
| Urquhart, A. M.    | Purchase Prize - Rocamadour II, Winnipeg Show, November, 1970.   |
| Urquhart, A. M.    | "3-D into the 70's" - major touring exhibition, two works, Art Gallery of Toronto.   |
| Urquhart, A. M.    | Faculty Show, McIntosh Gallery, September, 1970.   |
| Urquhart, A. M.    | Art in Engineering, McIntosh Gallery, October, 1970.   |
| Urquhart, A. M.    | Drawings reproduced in <u>Arts Canada</u> and <u>Canadian Forum</u> .  |
| Urquhart, A. M.    | "Drawings Mostly on Paper", 4 drawings selected, Institute of Contemporary Art, Boston.  |



FRENCH

The abolishment of the language requirement at the University saw a large decrease in the number of students registering for French classes in 1970-71.

Fourteen honors students spent their third year studying in France and all completed the year successfully and will return to Western in the Fall to complete their degree. Miss Jacqueline Keillor who received her Honors BA in French and Spanish in May was named Assistante d'Anglais in France for 1971-72. Michael Ingle will also spend one month in France with a student exchange group arranged through the French and Canadian Governments.

One of the main highlights of the year was the Colloque 71: Zola which, under the chairmanship of Drs. J. B. Sanders and David Baguley was a most successful event. His Excellency, Pierre Siraud, French Ambassador to Canada opened the proceedings on April 1. Other notable guests were Mlle Campana, Consul Général in Toronto and M. Jacques Dessoudres, Attaché Culturel of the Consulat de France in Toronto.

As in the past, the department brought professional theatrical companies to the campus. The Treteau de Paris presented Caligula in November, Le Centre dramatique national du Sud-est presented Le Misanthrope in February, and in March Les Jeunes Comédiens of Montreal presented Alfred Jarry's Ubu Roi.

The staff and students of the department, under the direction of Professor Louise Forsyth, produced Samuel Beckett's En Attendant Godot from October 21 to 24.

A Secondary School Liaison Committee was established within the department and its first task was to organize a "Conference on Problems of Transition from Grade 13 French to French 20" which was held in January. Some sixty Grade 13 teachers of French and twenty-five members of the department attended.

GERMAN

During the year Senate approved a new course, German 36, Modern German Literature in Translation, designed to introduce the English-speaking student to German writers of the late 19th and 20th centuries who have influenced contemporary literature and thought. The department also obtained Senate approval of revisions in the German honors programs to implement the recommendations of the Arts Review Committee, provide greater flexibility, and take more account of the needs of the students. This year the department had two candidates for the PhD, one of whom will complete her dissertation by fall, and three candidates for the MA, two of whom will have completed their requirements for that degree by the end of the summer. Four of the five graduate students were Canadian citizens.

The departmental participation in the U.W.O. Open House in October included exhibits of new West and East German books, one major film presentation, the Hamburg production of Beethoven's opera Fidelio, sponsored by the Faculty of Arts, and two other films, Zur Sache Schatzchen and Wilder Reiter, GmbH, sponsored by the German Embassy. During the winter two more German films, Hauptmann's Rose Bernd and a 20th century version of Amphitryon, were shown.

Professional activities of members of the department included participation in the meeting of the Internationaler Verein fur Germanistik at Princeton in August, 1970, by Professors Spencer and Immerwahr; the latter chaired a discussion group on nineteenth-century German political literature. Several members of the department participated in the two meetings of the new German Teachers' Workshop at the Ontario College of Education where discussion panels were focused on the relation of high school and University German programs in the province.

PHILOSOPHY

During the year the department's PhD program in Philosophy of Science began its first full year of operation with a small group of excellent students and a full complement of staff. Of special significance during 1970-71 was a complete departmental review of undergraduate programs. The review resulted in the introduction of new pass courses reflecting a more sophisticated interest among undergraduate students. In general, undergraduate course programs were liberalized, allowing students more freedom of choice and direction.

The department's regular Fall Colloquium on Conceptual Change was again a great success, with about 200 participants from five countries. A small colloquium on Quantum Physics was held in March and was also a great success.

PhD candidates seeking teaching jobs (three students) secured good posts at University of Manitoba, Althouse College and Virginia Polytechnic Institute. It is gratifying that these

students were widely interviewed, indicating that the profession has confidence in the kind of preparation given by the department. One student read a paper at the C.P.A. meetings, one published a paper in the first issue of the new Canadian Journal of Philosophy, and a third has had a paper accepted for reading at an international congress on philosophy of law to be held later this year at Brussels. It is of great importance to note that each of the three job candidates had at least two job offers each.

#### RUSSIAN STUDIES

Extensive revisions were made in the course program providing more flexibility and greater choice for the student. In response to the Arts Review Committee report the department drastically reduced requirements in its honors programs thus providing more options for the students. A brochure outlining programs and describing the academic areas of the department was prepared and sent to high schools and University departments. The department discussed the introduction of a third Slavic language and recommended the establishment of Ukrainian 20.

Professor R. Neuhauser was elected Vice-President of the North American Dostoevsky Society which was founded in December, 1970, in New York. He was also elected a member of the Editorial Committee of the Canadian Slavonic Papers, the official publication of the Canadian Association of Slavists. Professor Neuhauser organized and chaired two sessions devoted to F. M. Dostoevsky at the Northeast Slavic Conference in Montreal in May, 1971.

#### SPANISH & ITALIAN

The year was noteworthy for the introduction of three new courses: Italian Literature in Translation, Hispanic Literature in Translation, and an honors course in Latin American Poetry of the Nineteenth and Twentieth Centuries.

In November the department vacated its offices in Middlesex College and moved to new quarters on the third floor of University College.

The department completed the third year of its existence with a staff of ten full-time members. For the first time there were two professors dedicating their time wholly to Italian studies. By the spring of 1972 a student will be able to graduate with a "major" or "area of concentration" in Italian. Enrolment in Italian went up noticeably during the year while that of Spanish stayed about the same at both undergraduate and graduate levels.

During the course of the year two other events especially stand out: these were the excellent displays mounted during Open House in the fall and the Spanish contest for Secondary School students from all over the province which the department hosted in the spring.

In conclusion, I wish to thank Professor A. E. Raymond of the Department of Classical Studies for a year's unselfish service as Assistant Dean and Professor Donald Hair for assuming the burden of the Chairmanship of the Department of English during the absence of Professor P. D. Fleck - on leave in England.

My general thanks are, of course, reserved for the Provost and my colleagues in the Faculty of Arts for their gracious cooperation in making the Faculty of Arts more effective in teaching, research and University administration.

SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean

PROFESSOR J. J. WETTLAUFER

The transition from Ford Foundation support to the Plan for Excellence funded by the Western Associates was completed during the 1970-71 year; the Plan for Excellence became effective May 1, 1971. Project research enjoyed an extremely active year while case development reached an all time high.

The tighter economic picture was reflected in a decreased demand for Continuing Education courses, although participants manifested a keener interest and enthusiasm than in former years.

In contrast to many other universities, the Job Placement Program was able to place the majority of students who wished immediate employment.

THE PLAN FOR EXCELLENCE

The partnership of the University and the Canadian business community in which the School of Business Administration was founded and has thrived for over twenty years, has been extended under new terms of reference found in the School's Plan for Excellence.

The Plan will benefit not only Western's School of Business but also the other business schools and the general business community across the country inasmuch as it will provide research opportunities for Canadian business faculty; more trained men and women for business, government and the universities; and an increased supply of teaching materials available to academic programs and continuing education across Canada.

Funding the Plan for Excellence was a responsibility undertaken by the School's Advisory Committee under the leadership of Mr. J. E. Brent, chairman of the board, IBM Canada Ltd. and an alumnus of the School. As a result over one hundred Canadian companies have pledged financial support to the research and fellowship programs of the School.

ACADEMIC PROGRAMS

The Undergraduate program totaled 212 with 119 Juniors and 93 Seniors.

There were no changes in curriculum and the Project Program, introduced last year was successfully continued this year. A student-faculty committee was organized to consider the various aspects of the program as a whole.

Registration in the MBA program continued to increase, showing an enrolment of 393 with the following geographic distribution: Ontario 160; Quebec 100; Manitoba 25; British Columbia 21; Alberta 20; Great Britain 16; New Brunswick 9; Asia 8; Europe 8; Nova Scotia 6; Saskatchewan, U.S.A. and the West Indies 4 each; Newfoundland and South America 3 each; and 1 each from Africa and New Zealand.

The degrees held by these students included:

Bachelor of Engineering	138
Bachelor of Arts	113
Bachelor of Science	62
Bachelor of Commerce and Business Administration	57
Master's Degrees	15
Law Degrees	11
Others	31

The Doctoral Program now has 20 candidates in residence plus 5 non-residents. Three candidates successfully completed the program this year, bringing completions to date to 6. This year, 60 per cent of those in the Doctoral Program were on Canada Council awards. Additional financial aid arrangements, using grants and loans, have been set up for the coming year.

<u>Enrolment</u>	<u>1969-70</u>	<u>1970-71</u>
Junior	106	119
Senior	64	93
MBA I	187	199
MBA II	173	201
Doctoral	20	25
	<u>1969-70</u>	<u>1970-71</u>
Undergraduate program	170	212
Graduate program	380	425
Total enrolment	550	637
	<u>1969-70</u>	<u>1970-71</u>
<u>Degrees conferred:</u>		
Honors BA	62	93
MBA	168	201
PhD	0	3
Diploma in Business Administration	5	4

### CONTINUING EDUCATION

#### a) Management Training Course

July 19 - August 21, 1970

Associate Dean Walter A. Thompson was the course director for the 23rd annual Management Training Course. Faculty participating in the course included: Dean J. J. Wettlaufer, J. C. Taylor, A. A. Grindlay, D. S. R. Leighton, D. H. Thain, A. R. Wood, J. N. Fry and R. C. Hodgson.

Enrolment remained equal to that of last year with 126 representatives of business corporations from all of the Canadian provinces except Nova Scotia and P.E.I. plus two from England and one from each of the following: California, Ohio, Oklahoma, Texas, West Virginia, Austria, Mexico, Sweden and Switzerland.

#### b) Management Science and the Manager

May 9 - 14, 1971

In former years, this course was held in two separate locations at different times. This year, it was decided to consolidate both sessions; the single course was offered at the School of Business Administration with twenty-four managers enrolled.

The faculty consisted of Professors A. A. Grindlay (Director), A. R. Wood, R. M. Knight.

#### c) Marketing Management Course

May 16 - June 4, 1971

Although the course included representatives from 87 companies compared to last year's total of 120 the interest in marketing problems relating to industry was much keener, a fact which helped to make this year's course the most successful to date.

Professor C. B. Johnston directed the course with the assistance of Professors J. N. Fry, R. Archibald, B. Little, A. Mikalachki.

#### d) Business Conference

June 3, 4, 5, 1971

The following twelve noted businessmen addressed the 15th annual Business Conference:

Michael A. Alexander  
Partner, Touche Ross & Co.

Leonard Hynes (Keynote speaker)  
Chairman of the Board  
Canadian Industries Limited

Edmund Charles Bovey  
President and Chief Executive Officer  
Northern and Central Gas Corporation Limited

J. Eric Ford  
Partner  
Clarkson, Gordon & Co.

Charles J. Rathgeb  
President Canadian International Comstock  
Company Limited

Edwin A. Goodman  
Goodman & Goodman

Donald G. Campbell  
President and Chief Executive Officer  
MacLean-Hunter Limited

Ronald D. Southern  
President and Chief Executive Officer  
ATCO Industries Ltd.

Richard Hodgson  
Associate Professor  
U.W.O. School of Business Administration

Alan G. Thompson  
Partner  
Richardson Securities of Canada

Robert William Bonner (Banquet Speaker)  
Executive Vice-president, Administration  
MacMillan Bloedel Limited

Laurent Beaudoin  
President and General Manager  
Bombardier Limited

The chairman of this year's conference committee was Mr. John W. Murray of John Labatt Limited, London. Companies represented at the conference numbered 190.

e) Interpersonal Skills for Managers  
May 30 - June 5, 1971

The purpose of the course is to increase the effectiveness of the participants in their relationships with other people. Professors J. J. DiStefano, R. C. Hodgson and H. K. Bobele conducted the course with Professor DiStefano as course Director. Twenty-two participants were enrolled.

f) Production/Operations Management Course  
June 6 - 25, 1971

Objective: To improve the performance of managers who normally spend the majority of their time in the production and operations management area. Twenty-two such managers enrolled in this year's course under the direction of Professor A. R. Wood. Supporting faculty included: Professors R. Archibald, M. R. Leenders, J. R. M. Gordon, R. E. Nourse, D. Kuechle and R. R. Britney.

g) Evening Program in Sales Management  
October 3 - December 12, 1970

This year, only one course was offered in the evening program. The initial and final classes were held on Saturday with other classes on Mondays 7:00 - 10:00 p.m.

Professor D. Burgoyne directed the course with Professor J. Kennedy assisting. Thirty-five students were enrolled.

h) Comparative Enrolment

	<u>1969-70</u>	<u>1970-71</u>
Management Training Course	127	126
Management Science and the Manager	65 (2 courses)	24 (1 course)
Marketing Management	120	87
Business Conference	215	190
Interpersonal Skills	31	22
Production/Operations Management	62	22
Evening Sales Management	(not given)	35

OTHER PROGRAMS AND OUTSIDE RELATIONSHIPS

Professor R. E. Sproule was Coordinator of the Human Relations Section, Senior Officers' Training Course for the Ontario Police College at Aylmer, Ontario. He also participated in the U.W.O. supervisory courses for library personnel. In conjunction with Professor K. Bobele, Professor Sproule handled a two-day seminar in supervision basics for the Haynes-Dana Company, St. Catherines.

Professor D. Coleman conducted an extension course on computer applications for Waterloo Lutheran University.

Professor D. Drinkwalter offered a course for the Institute of Canadian Bankers.

Professor D. Kuechle was conference leader at seminars for: Ontario Government Senior Staff Officers' Conference, the Personnel Association of Toronto and Canadian National Railways.

Professor J. R. Kennedy was program director for the American Marketing Association's Doctoral Consortium for PhD students in Marketing at Western in September, 1970. He also taught the 3rd year program for Institute of Canadian Advertising.

Professor J. J. Heffernan was responsible for terminal sessions of the Management Science Seminar for Stelco Managers.

Professors R. Britney, B. Little and D. Thain participated in the seminars for the Executive Development Institute in Montreal, November, 1970. Professor Thain also taught on the International Marketing Program, Cambridge University, England. Professor Thain is a member of the Federal Computer-Communications Task Force Study Group for the Federal Government. The group is involved in extensive research on the Canadian Computer-Communications industry.

Professor J. R. M. Gordon was on leave for the year at IMEDE, Switzerland, where Professor J. T. Nicholson served as visiting lecturer at the seminar on Management Control Systems, Senior Executive Course.

Professor Robert E. Nourse was on leave for the year to the Harvard Business School. He taught courses in marketing and participated in a research project at the Marketing Sciences Institute.

Professors W. A. Thompson, C. B. Johnston and A. Mikalachki spent three weeks in Bombay, India, where they studied the feasibility of developing an MBA program there. Professor Mikalachki taught on management courses in United States and Canada while Professor Johnston participated in the Marketing Management Seminars for the Management Development Institute at Lausanne, Switzerland. He also conducted courses for the Nestle's Company at White Plains, N.Y., and for the Coca Cola Export Corporation, Buenos Aires, Argentina.

Dean J. J. Wettlaufer was elected a Director of the London Life Insurance Company.

Professor A. R. Wood spent a half year as a visiting professor at the London Graduate School of Business Studies, London, England.

Professor J. J. DiStefano has been appointed to the Board of Trustees of Rensselaer Polytechnic Institute in Troy, N.Y. He was also course director for a three-day seminar on conflict resolution for the Personnel Association of Toronto. Professor DiStefano also conducted six one-day seminars for the Department of National Defence and participated with three other faculty members in sessions for Bata Shoe management.

Professors B. Portis, B. Hicks and R. Britney conducted a cost and benefit analysis of secondary education for the London Board of Education. Professor Hicks is a member of the London Board.

Professor S. A. Martin served as Chairman, Central Section Research Committee, Canadian Institute of Chartered Accountants.

Professor M. R. Leenders is Educational Advisor to the International Federation of Purchasing. He was Course Director for the Advanced Purchasing Management Course which was held for the second time in June, 1971. He also visited Israel to attend the First Congress of the International Federation of Purchasing at which he presented a paper on Purchasing Potential. Professor Leenders taught in the Q.A. section of the management course for the Society of Industrial Accountants and, with Professors J. Humphrey and D. A. Peach, he participated in the course offered by the Industrial Management Clubs of Canada. Professor Peach instructed courses or seminars for the Canadian Institute of Management and the Bermuda Employers' Council, Hamilton, Bermuda.

Professor B. Little spoke on "Marketing of Consumer Goods in the 1970's" at the Conference Board in Canada Seminar, October, 1970, in Montreal. He and Professor J. Humphrey taught courses at the Atlantic Summer School of Advanced Business Administration in Halifax.

Professor C. Haehling von Lanzenauer was a course leader for the management science section of the Canadian Institute of Chartered Accountants management course.

Professor W. J. McDougall spent the summer teaching on United Nations sponsored programs in Europe and Pakistan. He was also director of the Management Control Course offered by the Canadian Institute of Plumbing and Heating. Professors J. Washington, B. Little and D. Drinkwalter were also involved in this course.

Professor R. C. Hodgson was chairman of the Advisory Committee to the Task Force on the utilization of Human Resources of the Committee on Productivity of the Ontario Government.

Several faculty members lectured for courses offered by the Canadian Industrial Management Association and the Association of Registered Industrial Accountants.

## RESEARCH AND PUBLICATIONS

Research activities at the Business School continued to gather momentum--new programs were launched, faculty publication of research papers increased significantly, and case production reached an all time high (see Appendix B).

Highlights of the year's activities were as follows:

a) Western Associates' Workshop

Summer, 1970, marked the first of a planned series of summer research workshops, bringing together faculty from other institutions with our own in a twelve-week coordinated program in research. This ambitious undertaking was designed to raise the level of business research in Canada and to increase the interchange among Canadian faculty members interested in research. Eight faculty, five from Western and three from other universities, were in residence at the School from May 24 until August 15. They were supported in their work by a number of research assistants drawn from the Undergraduate and MBA programs.

b) Associates' Research Day

The direct presentation of research findings to representatives of the Western Associates, initiated in 1970, was continued with a Research Day held May 14. Eleven papers were presented to an audience of over eighty-five businessmen.

c) Faculty Business Research Forum

In the spring of 1970, Western initiated a meeting of faculty of Ontario Business Schools to discuss current research activities. This program was continued in 1971 with a two-day session attended by forty-five faculty members. Eighteen papers were presented, six by Western faculty, twelve by faculty of other schools. A decision was reached to make this an annual affair; next year it will be held at Queen's University.

d) Research Output

The following table summarizes the research output of the faculty over the last two budget periods:

	<u>Number of items</u>	
	<u>1969-70</u>	<u>1970-71</u>
Books	1	1
Research Monographs	6	3
Articles in Professional Journals	16	27
Working Papers	18	31

Overall, output is showing a healthy growth reflecting increasing faculty activity and interest in research activities.

e) Case Development

Case development reached an all time high as indicated by the figures for the past four years:

<u>1967-68</u>	<u>1968-69</u>	<u>1969-70</u>	<u>1970-71</u>
52	63	79	90

f) Research Grants

In the 1970-71 period, grants to the extent of \$36,000 were received by faculty from the following sources: Canada Council, Department of Labor, International Business Machines, The Robert Markon Foundation, The Toronto Stock Exchange and U. S. Steel. Professor Bernard Portis continued to hold the Richard G. Ivey research professorship to which he was appointed last year. The Plan for Excellence got under way in May, 1971 (see Appendix D).

INTERDISCIPLINARY ASSOCIATION

Professors B. Portis and F. Zabransky worked on a project for the Medical School to evaluate programs in Continuing Medical Education.

Professor J. J. DiStefano was a member of "The Rural Health Centre" research team with the Medical School, Sociology Department, Nursing School and the School of Dentistry. Professor DiStefano was also associated with Engineering Science where he was a member of a research team working on single cell protein research application.

Professor R. E. Sproule was on the planning committee for the interdisciplinary course, "Man and His Environment". He was also involved in preliminary work on U.W.O. Urban Studies Program.

Professor D. Kuechle held classes for the Nursing School on Collective Bargaining and Industrial Relations in South America.

#### THE COMPUTER CENTRE

Ninety per cent of the Business School's computer requirements were supplied by the 1130 computer which was used for 3,100 hours during the year.

The time-sharing requirements were met by eight teletype terminals connected to a time-sharing computer service in Toronto. About 6,000 terminal hours were used. The overall growth in computing for the year was 50 per cent.

The faculty, doctoral students, MBA students and undergraduates used the facilities on a first-come first-served basis.

This year, there was no supervision during off hours but this policy of having the users enforce the rules proved amazingly successful while, at the same time, saving the cost of regular supervision.

#### THE MARKETING CLUB

The U.W.O. Collegiate Chapter of the American Marketing Association is known as "The Marketing Club".

During the 1970-71 term, it was responsible for bringing the following speakers to the School:

L. Sugarman, Vice President Sales, Loblaw-Groceries  
 P. Zarry, Ex. Vice President, J. Walter Thompson  
 L. G. Rice, President, American Motors Canada Ltd.  
 J. McHale, President, Montreal Expos  
 G. Bassett, President, CFTO/TV and Toronto Telegram

All of these speakers addressed large audiences at noon hour, and held extensive question and answer sessions with students. Most speakers stayed for more intimate seminars in the afternoon with smaller student groups. Members of the Club also visited two local business firms.

At the end of the year, Club members made a grant of \$350 to the Graduate Students' Grant-in-Aid Fund.

#### THE INTERNATIONAL BUSINESS CLUB

In the last academic year the club was chaired by Ron Enestrom, an MBA II student, and is operated by a council of three or four students taken from both MBA years. The students would take charge of selecting and inviting the speakers and last year were successful in attracting the following:

Mr. J. P. Wleugel	Treasurer, Massey-Ferguson Limited
Mr. J. K. Finlayson	Vice-President and Chief General Manager, Royal Bank of Canada
Mr. D. M. Culver	President, Alcan International
Mr. J. M. Kirkpatrick	Manager, International Operations for Moore Corporations Limited
Mr. J. A. Armstrong	President, Imperial Oil Limited

The main purpose of the club to date has been to explore how large international Canadian corporations operate overseas. The invited guests usually prepare a thirty minute lecture which is given at 12:00 noon followed by a thirty minute question period and, after a lunch break, sit in on a question and answer seminar from 2:30 till 4:00. During the last academic year the average attendance at the 12:00 noon lecture presentation would be between 200 and 300 and at the seminar between 50 and 60.

For the next academic year the club may attempt to change the emphasis by inviting representatives of foreign companies to discuss their approach to the Canadian market in addition to inviting Canadian firms to discuss Canada's foreign investment and export efforts.



## THE JOB PLACEMENT PROGRAM

While last year's economic recession worsened, the 1971 Job Placement Program was very active and productive for Business Students.

One hundred and forty-two companies recruited on campus through the School's Placement Office reflecting a 3 per cent increase over 1970. In addition, 106 companies recruited by mail. A total of 2,508 interviews were conducted in the School's facilities, resulting in the placement of 383 students in permanent and summer jobs.

Twenty-four of the BA class of 98 entered the C.A. profession and 6 are pursuing graduate work. In the MBA class, 8 are employed in educational institutions; 3 are pursuing PhD's; 4 following military careers and the School hired 5 men to assist in full-time research. The balance of the class is employed in industry and government in a wide range of managerial functions.

The MBA Summer Intern Program is in its fifth year. Despite the summer job shortage, 17 companies hired 30 MBA I's in project type work. Over 200 MBA's and 80 companies have now participated.

The School employed 30 undergraduate and graduate students as Research Assistants in the Research Program and Associates' Summer Research Workshop. The mutual needs of the students for interesting, challenging, and remunerative work and the School's requirement for able assistants in its Research Program are being fulfilled.

Universities across Canada experienced serious problems placing their graduates. The Business School encountered little difficulty. At least 83 per cent of the MBA class was placed, the balance are travelling or did not wish work until autumn. The mean salary for MBA Graduates is \$12,000, and for BA Graduates, \$8,038.

The Placement function is under the direction of Mr. Neil M. Armstrong, who is assisted by Mrs. Margaret Park.

## THE BUSINESS QUARTERLY

The importance of the editorial content of The Business Quarterly increases to attract recognition from publishers in the U.S., Great Britain and Europe. Forty-eight publishers requested permission to reprint editorial material. This included permission to translate articles into Spanish and French to appear in European business publications. Readers bought 15,536 reprints of articles--the majority of these were for classroom use in institutions and businesses conducting business education. An international reprint-publisher produced bound sets of volumes dating back to 1933, the first year of publishing. These are being sold to libraries throughout the English-speaking world. Microfilm copies of all volumes were also made available.

Thirty-six thousand copies of the magazine were distributed. Due to the general down-trend in the economy gross from the sale of subscriptions, advertising, reprints and copyright was slightly lower while the cost of postage, printing and paper was again increased over the previous year.

Forty-nine articles were published in addition to sixteen regular features. Ten of these articles were written by various faculty members of the University. The balance were written by government officials, businessmen and academicians from other universities. The ever-increasing number of unsolicited high-quality manuscripts received by the magazine allows a choice of articles to be made on an increasingly selective basis.

Eight MBA II students completed a Readership Profile study as part of their classroom assignment in the marketing area. One thousand copies of this study were printed and are now being used to augment the selling of advertising.

Doreen Sanders, Editor, was elected Vice-President of the Business Press Editors' Association and was re-elected to the Board of the Canadian Business Press Association.



ALTHOUSE COLLEGE OF EDUCATION

## Report of the Dean

DR. ERNEST STABLER

The number of mounting frustrations and afflictions were sufficient to prompt the Dean, at the opening of the January meeting of Faculty Council, to read a passage from the Book of Job. These had to do with budget cuts, merit classifications, student evaluation of teaching, procedures for determining promotion and tenure, and the uncertainties related to the integration of London Teachers' College.

The concerns and anxieties that came to the surface during the year were born of the tensions that are bound to develop as a college or faculty of education becomes an integral part of a university. A few examples may suffice.

In December a decision of the provincial Committee on University Affairs brought the faculties of education under university procedures of formula financing. With this decision came a different method of determining operating revenue and, as a consequence, a marked tightening of the College budget.

The decision of Senate to award Althouse students a Diploma of Education means that any substantive changes in our program are now subject to the approval of Senate. Similarly, the College now follows Senate regulations related to appointments, promotion and tenure, and sabbatical leave.

A further portent of a closer relationship with the University was the adoption by Senate of the Turner Report on the Integration of London Teachers' College. In the light of that Report the Faculty Council of Althouse, in October, elected an Integration Committee. Under the chairmanship of Professor Hugh Stevenson this committee worked tirelessly throughout the year in planning the program and structure of a new Faculty of Education, and in May presented its tentative proposals to faculty groups prior to submitting a written report. It can be expected that major changes in teacher education will be formally recommended when the committee reports to Faculty Council in 1971-72.

The transition to a closer identification with the University in turn raises the question of our relationship with the Government of Ontario, and particularly the Department of Education. During the year the Department has made it clear that it wishes the faculties and colleges of education to take on a larger responsibility for the continuing education of teachers by offering a wider variety of certification courses in the summer session. It has also announced that it will award, on a competitive basis, grants-in-aid of educational research. These are decisions we welcome because they will allow us not only to respond to the needs of the province, they also form legitimate parts of the function of a faculty of education. And here again there will be tensions, this time with government departments, as the faculty, acting as a university should, will retain autonomy over such key matters as admissions, the selection, promotion and retention of staff, and the content of its program.

The process of transition to a new role and function may, however, seem excruciatingly slow. A proposal for a program of graduate studies remained within the committee structure of the Faculty of Graduate Studies for the entire year, and negotiations concerning the integration of London Teachers' College between the Minister of Education and the University were suspended in June when the Department of Education found it necessary to develop a comprehensive plan of teacher education across Ontario.

Concern and anxiety created by these new relationships with the University and the Department are genuine and deep and will continue to be felt during the years ahead. Nevertheless, during the past year a remarkable amount of productive work was accomplished.

THE DIPLOMA PROGRAM

We began the year with 764 students, almost all of whom had been interviewed by members of the Curriculum and Instruction departments. Well over a thousand candidates submitted applications and we were thus able to be more selective than ever before. The result led one department chairman to make this frank comment:

"This past year has probably been the most satisfying of the six that I have spent at Althouse. Several factors have a bearing on this satisfaction.

First, the number of students has been sufficient to make the year's work seem worthwhile, without being an undue burden. Second, the quality of the students has, on the average, been the best we have ever had. The quality, plus an increasingly difficult hiring situation, has meant that student application has been extremely good, and the results excellent. The high quality of students is, of course, mainly due to our interviewing procedure.

Third, I think that the courses offered by my department have been of uniformly high quality. According to student comment, both formal and informal, these courses have been very well received; according to comment from associate teachers, the courses seem to be preparing the student very well for classroom teaching."

During the nine weeks of practice teaching our students were in 148 schools under the supervision of 1,240 associate teachers.

In the final months of the academic year students faced what appeared to be a very bleak prospect for employment. Those in certain teaching options, English and History particularly, found themselves in a surplus labor market while other students in mathematics and business, for example, had little difficulty in finding positions. Liaison between the college and the schools was established through a Student Employment Information Service developed by Professors Hay and McLeish and maintained by members of the Students' Council. As a result, some 86 per cent of our students secured jobs.

#### THE CONTINUING EDUCATION OF TEACHERS

This phase of our work took a great variety of forms from the Type A and other certificate, as well as non-credit, courses of the summer session (with an enrolment of 780), to the participation of faculty in teachers' conferences, or in visits to schools, or in the work of professional bodies. One of the most active groups in this respect was Professor Paul Park and his associates in the Early School Environment Study. During the year this group, which is closely related to the Elementary Education Department, provided workshops or short courses for more than 1,000 teachers in various parts of Ontario and three other provinces.

#### RESEARCH AND DEVELOPMENT

The Research and Development Committee of the college approved nineteen proposals and awarded a total of \$29,605 in grants. In addition, members of faculty received awards from the Canada Council, the Department of University Affairs, the Department of Indian Affairs and Northern Development of the Federal Government, and the Donner and Ford Foundations.

#### THE FACULTY

The death on March 27, 1970, of Professor John J. Bowden, a member of the History Department since 1965, is recorded with deep regret. Professor Dawson Woodburn, Chairman of the Music Department since the opening of the college, retired on June 30 and became Professor Emeritus. William Nediger resigned from his position of Associate Registrar at Althouse to become Deputy Registrar of the University. Professor Arthur Blue and Professor Sidney Irvine resigned to accept positions elsewhere, the former as Director of the Indian Studies Program at the University of Saskatchewan, the latter as Dean of Education at Brock University.

New members of faculty appointed during the year include: Professor Robert Clarke, History; Professor Frank Clute, Guidance; Professor John Corbett, Physical and Health Education; Professor Theodore Hallberg, Guidance; and Professor Norman Nicholson, Coordinator of Graduate Studies.

Professors Harvey Hassard, Guidance and Norman West, Physical and Health Education, were on study leave throughout the year.

#### SPECIAL PROJECTS

In the summer of 1970 some 150 CUSO volunteers undertook a five-week orientation program directed by Professor Kenneth Kenney. A major part of the program centred in the CUSO-Althouse Resource Centre which has developed a "learner-centred, multi-media, computer-assisted approach" to training volunteers for overseas service.

Fifty-five members of faculty met at the Oakwood Inn, Grand Bend, for a two-day conference in early September prior to the opening of classes. Prepared papers, small group discussion, and late-night sociability marked the occasion.

Ten experienced educators arrived in September from Guyana and spent the year at Althouse under a program funded by the Canadian International Development Agency. The purpose of this continuing project, which is coordinated by Professor Richard Harland, is to provide a preparation for teaching in several new multilateral schools.

Under the leadership of Professor Peter Schmidt, the Guidance Department sponsored a conference on drug abuse in mid-January. Students, faculty, and visiting speakers all judged it favorably.

On February 18, Senate approved a joint Althouse-University of Waterloo Program for the Training of Mathematics Teachers. Plans for this program were developed primarily by Professor Arnold Harris of the Mathematics Department and William Nediger, Deputy Registrar, working with the Faculty of the University of Waterloo. Waterloo undergraduates participate in a combined study and work program with the work periods spent as practice teachers and teaching assistants in Ontario schools. Prior to their final year they attend an eight-week course of professional training at Althouse.

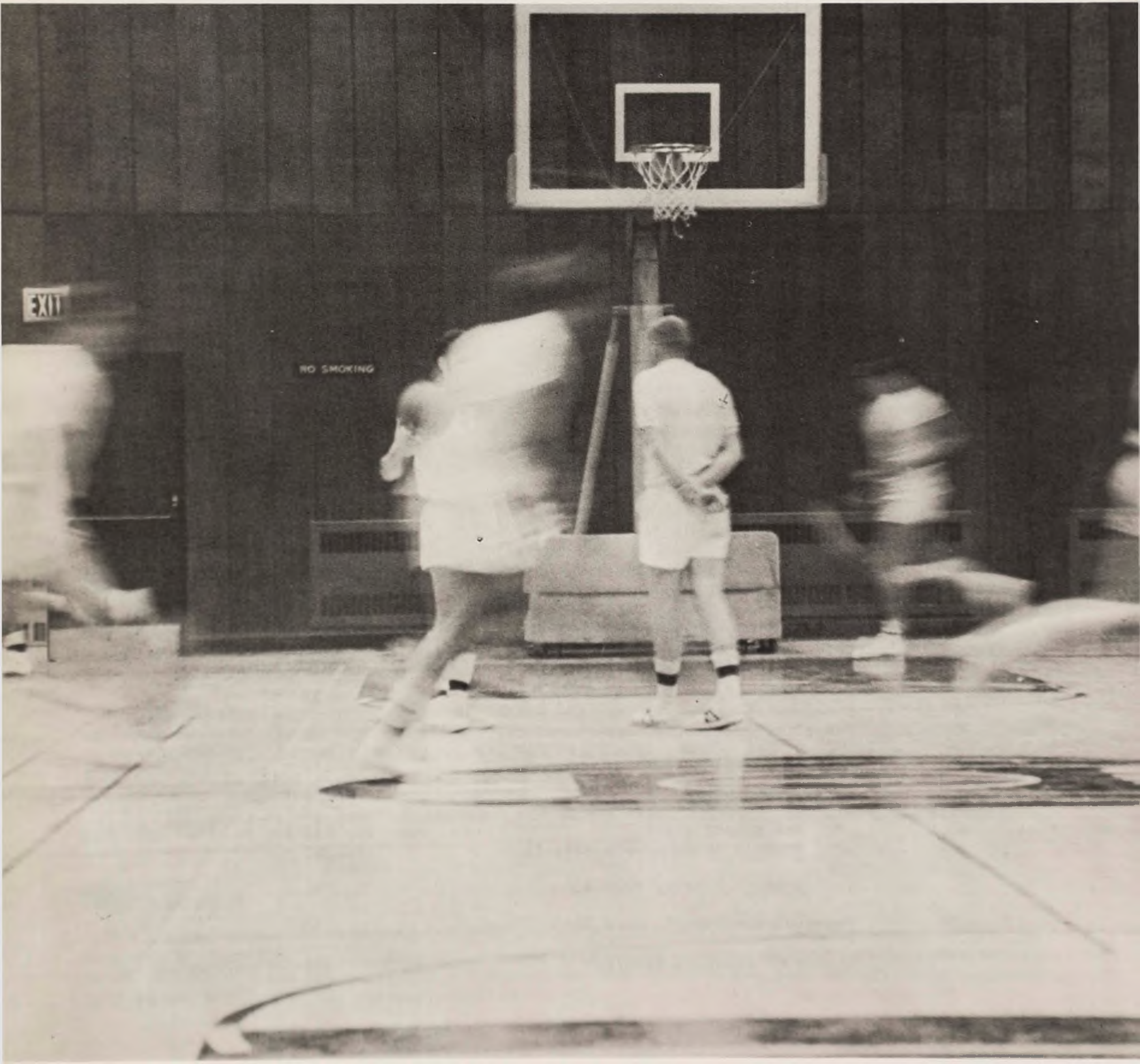
Just prior to the close of the academic year the Faculty Council approved a request from the Department of Indian Affairs and Northern Development to mount a program to train twenty Indians from various parts of Ontario for positions as social counsellors on the reserves. This program, which has previously been requested by several band councils, will be directed in 1971-72 by Dr. Theodore Hallberg of the Guidance Department.

#### SUMMER SCHOOL ENROLMENT - 1970

<u>Type A Seminars</u>	<u>Number of Students</u>
Agriculture	19
Biology	30
Chemistry	29
English	48
French	13
French & English	4
Geography	31
History	42
Home Economics	18
Mathematics	55
Mathematics & Physics	11
Physical Education - Men	30
- Women	13
Physics	16
Science	4
	363
	363
 <u>Certificate Courses</u>	
Regular Business & Commerce	159
Home Economics	
Intermediate Part I	43
School Librarianship	
Intermediate Part II	68
Physical Education	
Men's Specialist	12
Women's Intermediate Part II	21
Vocational - Type A, Part II	51
Vocational - Type B, Part II	60
	414
	414

WINTER COURSE ENROLMENT 1970-71Total Number of Students Enrolled as of October 15, 1970.

Type A Female	137
Type A Male	207
Type B Female	337
Type B Male	316
Intermediate Female	277
Intermediate Male	110
Vocational Female	4
Vocational Male	45
Occupational Female	3
Occupational Male	6
<b>TOTAL NUMBER OF STUDENTS ENROLLED</b>	<b>764</b>



FACULTY OF ENGINEERING SCIENCE

Report of the Dean

PROFESSOR R. M. DILLON

From three points of view, this has been an important year in the short history of the Faculty.

As the year ended, we were, at long last, close to completing the 79,000 square foot addition to the Alexander Charles Spencer Faculty of Engineering Building which we are to share with the Departments of Pure Mathematics, Applied Mathematics and Computer Science. During the year, the Lapp Committee completed its study of engineering education in Ontario tabling its report "Ring of Iron" to the Committee of Presidents on January 15, 1971, at a meeting held on Western's campus. As Ontario's first discipline study, "Ring of Iron" stands as a model for future university planning in the Province and its recommendations, especially those dealing with a special role for us in environmental engineering, pose a real challenge for the Faculty. Coupled with the Lapp Report is Arthur Porter's report on the academic structure of the University which is to be tabled in Senate by mid September, 1971. Both these studies will have a profound effect on the future of engineering science at Western. And finally, the end of the year 1971 marks a change in leadership heralded by the announcement in May of the appointment of Professor A. I. Johnson as our second Dean of Engineering Science.

Thus, the Faculty has reached an important turning point in its development, inspired by Lapp and Porter to reshape its academic thrust, facing the future with confidence under the guidance of fresh leadership and stimulated by the prospect of occupying expanded physical resources.

The Third Annual Engineering Alumni Conference was held on October 16, 1970, with the theme "The Development of Our Canadian North". The program was organized by Co-Chairman E. M. Aziz, BESC 1960, and Professor G. S. P. Castle, BESC 1961. In terms of attendance and interest generated, this was the most successful Alumni Conference to date.

A fourth Faculty Retreat was held at Talisman Resort Hotel in May. Discussions arising from the Lapp Report made this one of the most valuable conferences of its type which we have held.

Much of the work of the Faculty is now undertaken by standing and ad hoc committees, and the business of some of these has been of prime importance during this year of self examination. The Executive Committee, Chaired by Professor G. A. Geach, continues to be responsible to the Council of the Faculty for operations and routine planning. The Long Range Planning Committee, under the leadership of Professor I. J. Duerden, carried a heavy load of important business during this year of intensive planning. Committees advised the Dean on the appointment of new Group Chairmen to the Civil and Mechanical Groups. In one case, it was suggested that the new Chairman be from outside the Faculty, and it will be a matter of important interest to observe whether this advice, with its influence upon recruiting plans, can be put into effect.

Twelve engineering students, seven from Laval and five from Western, participated in the exchange program this year. One of our students, F. Nightingale, was awarded a studentship enabling him to remain at Laval for his final year. He graduated in Aeronautical Engineering with a First Class BSc degree.

This year, Engineering Open House coincided with the University-wide Open House when over 30,000 visited the campus during a three day period. The fact that engineering attracted so many visitors was a tribute to all those who worked on the displays including supporting staff and students.

Several non-credit courses were offered in extension this past year. Particular interest was shown in "Pavement Design" and "Food Science and Technology", each with about twenty-five students enrolled. Several courses were provided to assist candidates in preparing for qualifying examinations offered by the Association of Professional Engineers of the Province of Ontario. Included were lectures in: Fluid Machinery; Professional Practice, Engineering Economics, Management, and Specifications; Application of Electrical Principles to Engineering; Machine Design; Structural Engineering; Computer Engineering; Electronic Circuits; and Power Generation.

During 1970-71, the following seminars were sponsored in the Faculty of Engineering Science by The Learning Resources Unit directed by Professor R. K. Swartman. On March 12, a seminar on "Overhead Projectuals" by S. Welland, Director of Graphic Services Instructional Media Centre; on March 24, a seminar on "Learning" by Dr. A. J. Bergering, Professor of Psychology at Althouse College; and on March 31, a seminar on "Creative Thinking" by Dr. P. Denny, Professor of Psychology.

In February, Professor F. Hooper of the University of Toronto spoke on "Miss Purity", the only Canadian entry in the clear-air car competition promoted by students and faculty at Massachusetts Institute of Technology. Professor Hooper delivered his noon-hour seminar to an overflow crowd.

A Freshman Luncheon took place on September 21 in the Rainbow Room of Somerville House. Brief welcoming addresses were given by the Dean and representatives of the Association of Professional Engineers of Ontario and the Engineering Institute of Canada.

On March 17, four outstanding students presented their fourth year thesis projects to a capacity audience in Room 118 in the Engineering Building. Jim Burns, Bob Watts, Graham Clark and Peter Kwandt competed for a prize of \$50 donated by the local branch of the E.I.C. Peter Kwandt received the prize for his thesis entitled "The Design of a Portable Milling Machine".

Professor M. P. Poucher was responsible for directing a most successful noon-hour concert series for students, faculty and supporting staff. Between seventy-five and one hundred persons from all sectors of the University community attended these sessions. Guest artists included Mr. Paul Mills, folk singer-guitarist well-known to all members of the Faculty; Mr. Jelinek, artist-sculptor; Philip Aziz, artist-designer; and Mrs. M. Lorcini, harpist.

Two outstanding lecturers were brought to the campus under the sponsorship of the Engineering Science colloquia series directed this year by Professor J. D. Tarasuk. In February, Dr. J. Herbert Holloman, Consultant to the President at M.I.T. spoke on "Technology in the Future of the Society". In March, Professor C. Truesdell of John Hopkins University was sponsored jointly with the Department of Applied Mathematics.

The Student Services' Officer, Professor W. H. Peacock, organized a wide variety of events in aid of student orientation and professional development. Included were a barbecue for the freshman class in October attended also by a member of practicing engineers, a noon hour series of lecturers by practicing engineers, and an evening seminar by the noted racing driver, Scott Wilson, and a field trip to Wolverine Tube Limited in London.

The final public event of the year was the Annual Awards Ceremony held on May 27 in honor of the graduating class. Mr. Thomas F. Dann of the mechanical option was the winner of the A.P.E.O. Gold Medal which was presented by Professor J. A. MacDonald in his capacity as Chairman of the London Chapter A.P.E.O. This year, for the first time, two awards were made. The Dr. James A. Vance Prize went to Robert A. Dempsey, and the Dr. E. V. Buchanan Prize was awarded to Doug R. Sims.

There could be no more appropriate way to close a final Annual Report than for the retiring Dean to pay tribute to the members of Faculty and supporting staff whose untiring efforts during the past eleven years have contributed so much to the Faculty cause, and whose loyalty and wholehearted support were always forthcoming and so deeply appreciated. And we must never forget the students on whose shoulders must ultimately be borne our reputation.



FACULTY OF LAW

Report of the Dean

PROFESSOR R. S. MACKAY

In my foreword to last year's Report, I described the 1969-70 academic year as the "Year of Committees" which, in that period, proliferated both in numbers and in scope. A good deal of this additional committee work resulted from, and was required by, the implementation of a new and extensive optional program in second and third years. In that regard, Faculty Council and its committees were faced with a good many problems of an immediate or short-range nature.

In 1970-71, however, the emphasis has been quite different and Faculty Council was primarily concerned with long range plans for the Law Faculty and what should be its objectives and characteristics in the future. This involves an assessment of what will or should be the role of the legally trained person in the next few years and in a social climate marked by an ever accelerating rate of change.

Some of these changes are already manifest (although the law and lawyers have been slow to appreciate them), for example, the development of the welfare state and increasing urbanization, population, industrialization, automation and technological advances. Other changes resulting from these influences, and other causes, must also be considered as shaping the future course of the law and of those who serve it. Thus we see a newly vocal demand for citizen participation in decision making; a breakdown of the family unit as the basic unit of society; an increased leisure time for individuals in society; an increasing acceptance of violence as a means of social change; an increasing assertion of minority rights; a perceived alienation from contemporary institutions, including legal institutions; increased crime rates and use of alcohol and drugs; demands for instant gratification of desires or achievement of goals. These and other factors, it is felt, require a rethinking of the traditional (and contemporary) legal structure, which must be reflected in the law schools as the progenitors of the lawyers of the future. To that end, and with these objectives in view, a Long Range Planning Committee has been created.

Law schools, too, are subject to many of the same problems that beset society at large. Here, too, rates of change have increased rapidly and so also has the population. It is increasingly important that decision making be facilitated and communicated and that the instruments of decision making be rationalized. Accordingly, a second major new committee has been created this past year, a Committee on Faculty Constitution, which is empowered to examine into the conduct of Faculty Council business, procedures and delineations of power, and to take a fresh look at the committee structure existing in the Law Faculty.

These new committees are of prime importance but so too are the following committees whose work and energies will be briefly described below. A very considerable debt of gratitude is owed to the members of faculty and the student body who sat upon these committees and contributed so much time and effort to them.

REPORTS OF COMMITTEES

Admissions & Academic Research Committee - Professors R. G. Atkey and M. A. Hickling, Chairmen.

Prior to the deadline for applications for admission to the Law Faculty, July 1, 1971, the Admissions Committee processed almost 1,600 applications, more than double the number of 787 dealt with in the previous year. This "deluge" posed abnormal difficulties and assumptions and projections based upon past experience proved untrustworthy and unreliable. In the result 176 students were enrolled and registered in first year, although the desired figure was 150, and, even so, many excellent students had to be refused admission. As a result of the lack of reliable information available this past admissions season, the Committee has sought the assistance of the Information Analysis and Systems Department and the latter has agreed to do a computer study to provide a complete breakdown of all relevant information and furnish a correlation study. Upon the basis of the information received it should be possible to create clearer guidelines in establishing and applying admissions policies.

In the course of its work the Committee developed detailed criteria respecting admission standards, including consideration of new policies respecting "mature" applicants. It also embarked on a study of various methods to recruit or attract high calibre students to the Law Faculty who might otherwise go elsewhere. Relations with other law schools were further developed in the course of the year to deal with common problems and procedures and facilitate communications. The validity of the Law School Admission Test score, and whether or not it provides a reliable index, is under close study by the Committee.

Audio Visual Education Committee - Professor G. J. Brandt, Chairman.

Over the past year audio visual aids to teaching were employed in the courses in Legal Method, Trial Process, Evidence and Family Law. No new tapes were made but future plans include the preparation and use of tapes in the course in Family Practice.

Curriculum Committee - Professors H. Krever and W. B. Rayner, Chairmen.

This past year the Curriculum Committee, in addition to its normal functions of approving courses, assigning weights and similar matters, was very much concerned with the need for a complete review of the curriculum in all aspects. In the forthcoming academic year such a review will be the main function of the incoming Curriculum Committee. In addition, the Committee recommended the adoption of a policy of dividing all first year subjects into three sections and, in similar vein, smaller tutorial groups for first year students. This is the desired practice and has been achieved in other Ontario law schools. The Committee also recommended that immediate attention should be given to the structuring of a Clinical Legal Education Program in the Law School, to the obtaining of a Director for such a program, and recommended that credit be given to students participating therein.

Individual Research Committee - Professor K. B. Farquhar, Chairman.

This Committee exercises the function of supervising and approving applications by students to undertake individual research for credit.

The Committee approved nine applications on the following topics: the decision making powers of private institutions; the representation of public interest by government commissions; discretionary and absolute bars to divorce; cruelty and divorce; the availability of legal services to low-income groups in London, Ontario; the influence of Western European codes on modern Turkish law; the influence of external events on crime patterns among the Indians of Brant County; and possible legal developments for homosexual marriages.

Library Committee - Professor H. Janisch, Chairman.

This past year an active liaison was established between the Library Committee and the central library administration. In particular, the Committee is indebted to the Chief Librarian and the Deputy Chief Librarian for their close and effective cooperation in implementing several important changes and improvements. Among these is a reclassification project which will involve two years' work and the allocation of \$58,000 by the central library. Structural improvements have also been made, thereby increasing book shelving capacity and providing for better reshelving of books. Two seminar rooms adjoining the library have been converted into a periodical room and reading area, and plans are under way to provide a larger area for reserve books and to effect changes in the structure of the circulation desk. Provision has also been made for a better security system. Finally, and of particular importance, a Public Services Librarian has been appointed.

The library holdings as of June 30, 1970, were as follows:

Reports, Statutes, Digests, etc.	32,262
Journals, etc.	10,624
Treatises	<u>18,456</u>
Total	<u>61,342</u>

Acquisitions in the year 1970-71 were as follows:

Reports, Statutes, Digests, etc.	2,302
Journals, etc.	2,002
Treatises	<u>5,107</u>
Total	<u>9,411</u>

Thus, the current holdings of the library as of June 30, 1971, are:

Reports, Statutes, Digests, etc.	34,564
Journals, etc.	12,626
Treatises	<u>23,563</u>
Total	<u>70,753</u>

Scholarships and Bursaries Committee - Professor K. B. Farquhar, Chairman.

The following academic prizes were created in the year 1970-71:

- 1) The Davies, Ward & Beck Prize in Commercial Law - The sum of \$200 for the second year student achieving the highest average standing, and the sum of \$100 each to the second year students achieving the second and third highest average standing in Company Law, Income Tax and Commercial Law.
- 2) Anonymous Award of \$100 - Awarded this year to the student with the highest standing in Civil Liberties. To be awarded in future to the most meritorious participants in the Moot Court and Mock Court programs.
- 3) Anonymous Award of \$50 - To the student achieving the highest standing in Advanced Family Law.
- 4) Faculty Association Award of \$100 - To a student in the Faculty of Law achieving the highest standing in a course (to be designated by the Faculty) for which no prize currently exists.

Special Events Committee - Professor J. A. Rendall, Chairman.

The Special Events Committee sponsored eight visits during the 1970-71 academic year and is grateful to the following for their attendance and contributions: The Hon. J. C. McRuer, Mr. Justice Osler, Mr. Justice Donohue, Mr. Justice Pennell, Mr. Justice Grant, Senator Eugene Forsey, Mr. F. E. Gibson, Q.C. of the Department of Justice, and Dean Alex C. Castles, Faculty of Law, The University of Adelaide.

Grades & Standards Committee - Professor J. A. Rendall, Chairman.

This Committee provided very comprehensive reports of patterns and grading practices that have developed or been employed since the inception of the Law School with a view to enabling Faculty Council to conduct a careful review of its own current standards. The Committee strongly recommended that Council must conduct a thorough review of its standards and enunciate a definition of normality of grades patterns. More specifically, the Committee recommended that Council review the meaning of its "D" grade category, which has caused confusion in the minds of students and faculty alike.

Course Selection Procedures Committee - Professor K. B. Farquhar, Chairman.

This Committee was set up to solve the difficulties created by the change to a fully optional second and third year program. The fundamental problem was that faced by instructors, administrative and secretarial staff and the Library in not knowing until two weeks after the beginning of the academic year how many and which students were permanently enrolled in any course.

The obvious solution of requiring registration in the second term for courses in the following academic year had to be modified considerably in the face of widely held views that such a system limited considerably the freedom to choose courses from a fully informed position.

A scheme was therefore devised whereby students would in April be given as much information as possible about courses for the succeeding year, and would be asked to make a preliminary selection at this time. This selection may be changed after the publication of examination results and other matters which might alter the decision-making of students, but selections must be confirmed and made final by the middle of July in this year, and the middle of June in succeeding years.

Mock Court Committee - Professor P. S. Elder, Chairman.

Twenty-eight second and third year students participated in the program this year, in seven mock trials. One of the trials featured a pollution problem, and Cablecast of London videotaped it and on two separate occasions televised the trial in four one hour segments.

His Honour Judge Carson presided over that trial, and the other six were heard by members of the practising Bar, who not only discharged their judicial functions patiently and graciously, but also took time to comment on individual performances after the trial.

The winners of the competition were Terry Hainsworth and Ben Lorriman, and Terry Hainsworth and Bob Haig ably represented the University at the Ontario Law Students' Association Mock Trial Competition.

Moot Court Committee - Professor D. M. McRae, Chairman.

The voluntary moot court program involved fourteen students, twelve of whom took part in the intramural competition and the remaining two in the International Moot Court Competition at Wayne State University in Detroit. Each student taking part in the competition mooted twice and on the basis of the points achieved in their two moots D. J. McNamara and A. E. Wheable were awarded the Mooting Trophy, and the book prizes donated by the Canada Law Book Company went to J. C. Ireland and R. P. Robert. Again the school was well served by lawyers from London who gave their time to judge the moots. A reception was held for the judges as an appreciation for their services.

The school was represented at the Ontario Law Students' Association's Mooting Competition and, as already mentioned at the International Competition. J. C. Reid and L. H. Ross gave a creditable performance at the former competition and in the latter D. A. Cruickshank and R. F. Grant were narrowly defeated in the final. Mr. Grant achieved the distinction of being awarded the trophy for being the best individual oralist in the competition.

### SPECIAL STUDENT ACTIVITIES

#### Western Ontario Law Review

The Editorial Board for the 1970-71 Law Review was as follows:

Editor-in-Chief	-	Margaret Turvey
Articles Editor	-	J. McLeod
Comments Editor	-	Ben Lorriman
Book Review Editor	-	Mary Eberts
Associate Editor	-	Daniel J. McNamara
Associate Editor	-	Robert Stikeman
Business Manager	-	Peter Noble
Subscriptions Editor	-	Robert Hind
Advertising Editor	-	Igor Ellenberg

The policies of the Law Review were considerably changed by the Board in order to obviate past problems of delays, financing and lack of communications, to attract more active student participation, and to lay the groundwork for a more extended publication in the following years and the establishment of a regularly published Law Review of growing stature.

#### Student Legal Aid Society

In 1969-70 the program dealt with sixty-five cases. In 1970-71, testifying to the expansion of the program and of the need that it serves, 249 cases were handled by law students, including sixty-four cases in the criminal courts, forty-nine civil actions and 136 cases in Family Court.

### ACTIVITIES OF MEMBERS OF FACULTY

In addition to those activities detailed in the appendices the following further contributions of individual faculty members should be mentioned.

Atkey, R. G. - Counsel to the Sunday Observance Legislation Project of the Ontario Law Reform Commission; Counsel to the Administration of Ontario Courts Project of the Ontario Law Reform Commission; Director of National Heritage Limited; Director of Environics Research Group Limited; Vice-Chairman of the Constitutional and International Law Sub-Section of the Canadian Bar Association; Policy Chairman of the Ontario Progressive Conservative Leadership Convention; Member of the Middlesex County Legal Aid Area Committee.

Balogh, L. V. - Member of Board of Directors of the London Consumer Credit Counselling Service; Advisor to the Consumer Complaint Bureau; Advisor to Consumer's Association of Canada.

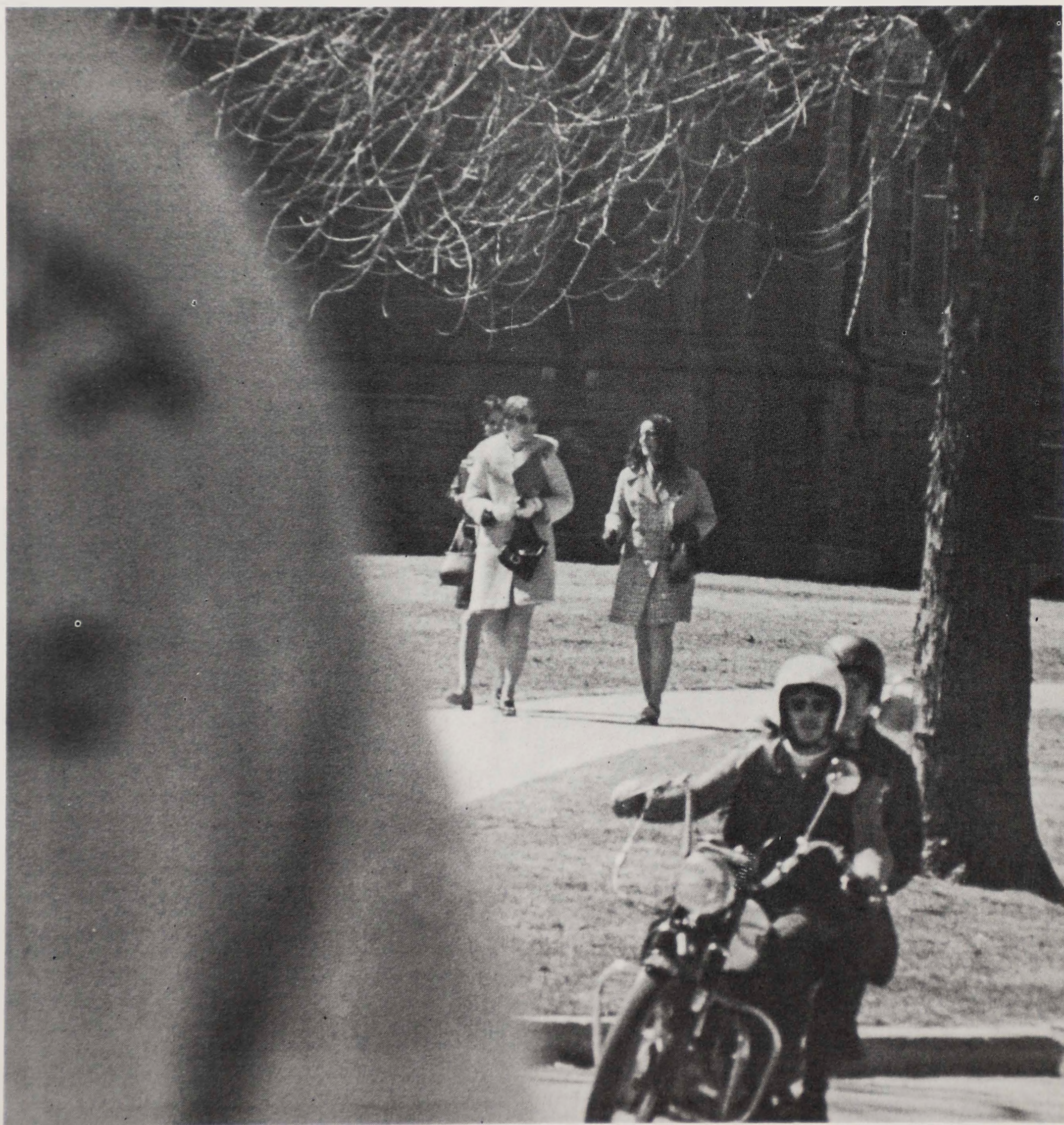
Elder, P. S. - Member of Advisory Board of Pollution Probe, London.

Krever, H. - Appointed by the Chief Justice of Ontario as a member of the Rules Committee under the Ontario Judicature Act; elected Bencher of the Law Society of Upper Canada; member of Federal Committee on Community Health Centres; member of Human Resources Committee of the Ontario Council of Health; member of the Committee on Human Experimentation of the University of Toronto; member of Task Force of Consumers Association of Canada on Research Needs and Developments; member of the Committee on the Organization of the Courts in Ontario of the County and District Court Judges Association of Ontario; member of Middlesex County Area Legal Aid Committee.

Palmer, E. E. - Appointed to the London Police Commission; appointed as sole arbitrator for General Motors in Canada.

Priestly, D. M. - President, Canadian Association of Law Libraries; Editor, C.A.L.L. Newsletter; Chairman of C.A.L.L. Committee to report on the publication of Decisions of Administrative Tribunals in Canada.

Usprich, S. J. - Consultant to the Joint Task Force on Computers and Privacy of the Federal Department of Justice.





SCHOOL OF LIBRARY AND INFORMATION SCIENCE

## Report of the Dean

PROFESSOR WILLIAM J. CAMERON

During its fourth year of operation, the School has continued its tradition of innovation and experimentation in teaching and learning, especially as the number of students in the program has reached a planned level after three years of phenomenal growth, and an adequate support staff was recruited to aid the faculty and students to carry out plans based upon discussions at two Long Term Review Conferences (from August 7 to 8, 1970, and from March 15 to 16, 1971).

PROGRAM CHANGES

The School had begun in 1967 with a carefully-thought-out three-term program leading to an MLS degree. Admission requirements for this program is an honors degree of second class standing or its equivalent. In 1969, a four-term program was added to this program to satisfy the resolution of April, 1968, made by representatives of the Canadian library schools that the basic preparation for the professional practice of librarianship in Canada should be a four-term graduate program. Admission requirements for this program, as in other schools, was a general, or three-year degree of B standing. Dissatisfaction with some aspects of this four-term program began to show after the first year of operation, and frequent discussions finally culminated in a decision, after our second Review Conference of this year, to phase out the program in preparation for the introduction of a new one. The nature of the courses that should be offered in a program antecedent to our three-term program was fully discussed by faculty, students, and alumni, with the participation of the Dean and Assistant Dean of Graduate Studies, and a series of experimental courses was approved for the spring term which would serve to help students already in the four-term program to transfer to the three-term program in the fall of 1971. An attempt was also to be made to test the value of the courses for incorporation into a prerequisite year program. By July 1, it was becoming quite clear that the experiments were successful, and that both faculty and students alike found the courses met the needs expressed in Conference discussions and SLIS Council meetings.

Although major efforts at curriculum revision were directed at the four-term program, the three-term program itself was submitted to close scrutiny, and intensive analysis of the distinctive seminar methods of the School continued throughout the year. As a result of the first Review Conference, a plan was evolved to supplement the largely student-directed bibliographic research preparation for seminars with faculty-directed laboratories. For the fall term, 1970, these laboratories were introduced on an experimental basis, mainly in the required courses of the 510 series, and a temporary Laboratory Coordinator was appointed to help develop the appropriate techniques. The limited success of the experiment prompted the continuation and elaboration of the experiment during the winter term, and the undoubted success of the laboratories by this time (tempered with criticism born of proper analysis of a pragmatic experience) has ensured that laboratories will become an essential feature of the program in the future. But much hard thinking and pedagogical ingenuity must take place to prevent carefully-designed laboratory investigations from deteriorating into "practice sessions" which merely simulate technical tasks in a library.

THE STUDENTS

During the Summer Session, 1970, the following number of students were registered, either as full-time or part-time students in the Spring Term, or part-time students in the Summer Session:

- 141 full-time in the three-term program or the last two terms of the four-term program.
- 28 part-time in the three-term program.
- 60 full-time in the first two terms of the four-term program.
- 2 part-time in the first two terms of the four-term program.

The School had thus almost reached its planned ceiling of 200 full-time students. Admissions for the fall term were limited so that we would remain below this ceiling, but rumors of shrinkage in the market for beginning professional librarians resulted in an exceptionally large proportion

(45 per cent) of those admitted not appearing for registration. Consequently, the number of students enrolled in the fall term fell to

- 154 full-time in the three-term program or the last two terms of the four-term program.
- 19 part-time in the three-term program.
- 30 full-time in the first two terms of the four-term program.
- 2 part-time in the first two terms of the four-term program.

The degree of Master of Library Science was conferred upon 93 graduates at the Fall Convocation, 1970, and another 58 completed their MLS at the end of the fall term.

In the winter term the enrollment figures were as follows:

- 126 full-time in the three-term program or the last two terms of the four-term program.
- 14 part-time in the three-term program.
- 29 full-time in the first two terms of the four-term program.
- 7 part-time in the first two terms of the four-term program.

A further 47 students completed their MLS degree at the end of the winter term. As it became obvious that the four-term program was to be phased out, admissions to that program were suspended. The enrollment figures for the spring term thus fell again, although employment prospects seemed to be improving:

- 105 full-time in the three-term program or the last two terms of the four-term program.
- 7 part-time in the three-term program.
- 11 full-time in the first two terms of the four-term program.
- 3 part-time in the first two terms of the four-term program.

The School now has a grand total of 318 graduates at work throughout Canada and the rest of the world, and it is becoming common to meet alumni in increasing numbers at meetings of professional organizations throughout North America. The rapid development of the School and the considerable changes that have taken place in its short history have been frequently commented upon by the alumni, and there seems to be a growing concern to keep them informed of such changes. An alumni newsletter "Communicate" was therefore launched in May, 1971.

#### THE FACULTY

An attempt was made during the year to establish a tradition of inviting a distinguished librarian, information scientist, or library science teacher, to visit the School as a full-time faculty member for a full term or a summer session. During the Summer Session, 1970, Dr. R. Bottle, author of books on the organization of scientific literature, began the tradition. His contributions to curriculum revision as well as the teaching program were greatly appreciated. During the fall term, Miss Louise Schryver brought to the program her special knowledge of the public library in Canada, and her experience in administration, for the benefit of students and colleagues alike. In the winter term, one of the School's foundation professors, Professor Edouard Reitman (former UNESCO librarian) consented to rejoin the School so that we might draw upon his unrivalled knowledge of international librarianship. The honor of Professor Emeritus was conferred upon Professor Reitman by the Board of Governors in April, 1971, and he is continuing from his retirement in France to aid the School as a consultant in book selection in European languages. In the spring term, Miss Anna K. Stuliglowa, Slavic Studies librarian at Cornell, brought her specialized knowledge and wide interests to the program. We are especially grateful to the Board of Trustees of Chatham Public Library and to Cornell University Libraries for releasing Miss Schryver and Miss Stuliglowa respectively to contribute to our School for four months. We hope that the experience of our visiting professors in the School will also be a contribution to the library or educational institution which permits its employees to be so seconded.



The value of having a distinguished visiting professor full-time in the School for a whole term of the trimester system was demonstrated on several occasions, for the visitor is a fully-fledged member of the School's Council (and thus contributes fully to the development of academic policy), is available at all times for consultation by students, and brings special expertise and knowledge of an up-to-date kind that is not necessarily available to a library school professor whose first-hand knowledge of the professional application of the knowledge he teaches or creates is limited to observation while on visits to libraries or discussion at professional conferences. Another way of keeping the School in close touch with practitioners in the profession and with thinking outside the immediate community has been to have part-time faculty come in once a week or once every two weeks in a term to conduct an elective course. During 1970-71, we were pleased to have the services of Professor W. B. Ready (Chief Librarian, McMaster University), Mrs. Margaret Beckman (Chief Librarian of Guelph University), Mr. Stephen Langmead (architect of significant library buildings), Mr. W. S. Debenham (acquisitions librarian at Yale University), Mr. J. T. Parkhill (Metro Toronto Librarian), and Mr. J. Belzer (Knowledge Availability Centre, University of Pittsburgh) as visiting lecturers for one term or another. In addition, Dr. H. Plotkin (Department of the History of Science and Medicine) and Professor Diana Priestly (Faculty of Law) taught courses as honorary lecturers.

The School was also very fortunate to have Dr. R. E. Lee, the new Chief Librarian of the University, join the faculty on a part-time appointment when he came to the campus on July 1, 1970. From the fall term, 1970, he has taught a section of the Masters' Seminar. From the winter term, 1971, Mr. Ralph Stierwalt, Assistant Director/Technical Services, in the University Library has also taken a section of the Masters' Seminar as an honorary lecturer. We are fortunate to have such experienced professional librarians involved in this very distinctive course.

In January, 1971, Dr. C. H. Held, Librarian of Albion College, Michigan, joined the full-time faculty as Associate Professor. Professor Held has strengthened the faculty in the fields of administration and of school librarianship. In May, 1971, Dr. Jean M. Tague was appointed to the faculty as Associate Professor and as our first full-time senior specialist in Information Science. Full development of this component of the School's program is therefore forecast for the coming year. In June, 1971, Dr. Florence E. DeHart joined the faculty as Associate Professor, to begin teaching in the Summer Session.

Mrs. D. Jean Janes, who had served as Laboratory Coordinator during the experimental two terms of the laboratory program, was appointed Lecturer in May, 1971. Mr. J. Parkkari also joined the faculty as a Lecturer for one term, after his graduation in December, 1970, to help with the development of laboratories. Miss Jennie Cheng, the School's Librarian, was also appointed Lecturer in the fall term, 1970, but resigned on June 15 to take up a library position elsewhere.

On June 30, 1971, Professor Laura C. Colvin officially retired from the School. As one of the foundation professors, Miss Colvin was a tower of strength in developing the School's program. She brought with her more than two decades of teaching experience at the Library School of Simmons College, but (more importantly) an open and fresh mind that was willing to try new methods of teaching, together with a high and exacting standard of academic and professional performance. Her strong international interests transcended even her continental view of librarianship, and she has gained many friends and recruits for the School by her intrepid professional journeys throughout Africa, by her widespread professional activities in North America, and by her knowledge of and cooperation with colleagues in Great Britain. Many of our alumni will be proud to say that they went through this School during Miss Colvin's time. We are fortunate that she will continue to teach part-time during her retirement.

#### THE ADMINISTRATION

With the retirement of Dean Osborn on July 1, 1970, a change in administrative officers took place. Dr. W. J. Cameron succeeded him as Dean (and Professor); Professor G. T. Alley succeeded Dr. Cameron as Associate Dean (and Professor). Miss Carmen Sprovieri (Lecturer) succeeded Professor Barbara J. Palmer as Assistant to the Dean, and Professor Palmer resigned as of December 31, 1970. Mr. Peter Scott (Lecturer) succeeded Professor Hotimsky as Administrative Officer. Professor Alley consented to lend his considerable administrative experience to help the new Dean, even though he had already retired after a distinguished career as National Librarian of New Zealand, and was about to retire as a Professor in the School. He relinquished the post of Associate Dean after providing support for a six months' period, and finally retired as Professor on April 30, 1971. Professor R. G. Prodrick has been Acting Associate Dean since January 1, 1971, pending the appointment of Professor Alley's successor. Together with the School's Librarian, these new administrative officers were constituted an Administrative Committee for the School, whose main concern during the year (apart from the day-to-day management of the School) was to evolve an administrative structure to facilitate the operations of the greatly-increased support staff. The results of their work was embodied in a draft of an administrative manual which is to be perfected in the coming year.

## SUPPORT STAFF

In keeping with the educational objectives of the School, the Library in the School is both a service organization and an experimental system which may be modified and controlled as part of the academic and professional program of the School. It was thus decided to staff the library with both stable, continuing senior appointments, and with changing, short-term post-MLS interns. From among the best graduates of the School (and possibly of other Canadian schools) would be selected, for a year's appointment, promising young librarians who would be given the opportunity to apply and test in practice, within an innovative, experimental environment, the theories they had learned in their MLS studies. The administrative problems introduced by such constant turnover of professional staff could also provide first-hand experience for analysing what is needed in an educational program designed to "prepare people for change".

Miss Cheng and Mrs. DeYoung were continued as Librarian and Assistant Librarian, and Mr. Claude Parker as Serials Librarian. Other positions were filled with interns as follows: Mrs. Joan Gentleman, Chief Cataloger; Miss Holly Glendenning, Cataloger; Miss Effie Sit, Cataloger; Miss Terese Wong, Cataloger; Mr. Frank White, Acquisitions and Storage Librarian; Miss Alice Nesbitt, Special Collections Librarian. The internship program was constantly reviewed during the year, and modifications suggested and adopted. Many of the most valuable suggestions for the incorporation of support staff and facilities into the teaching and research program of the School were initiated by members of the support staff, and their cooperation with students in making known and in developing the use of the computer-based systems of the School contributed greatly to the development of the research element in many of the courses.

Additions to the support staff outside the Library proper included an Audiovisual Officer and two Computer Specialists. Mr. Carl Robert, through his enthusiasm and creative effort, has provided excellent support and leadership in the development of audio-visual facilities and their use for faculty and students, and the combined efforts of faculty, students, and support staff has produced a most spectacular growth in this very important aspect of the School's academic work. Mr. W. H. Hudgins and Mr. D. Poritz were appointed as Computer Specialists to help prepare the ground for a similar development in the area of computer studies when a full-time faculty member specializing in the fields of Library Automation and of computer aspects of Information Science would be available. The steady development and rationalization of the School's computer-based classification and cataloging system, and the limited development of the HPB project is largely due to the work of these two men in cooperation with the Library staff, with the Department of Systems and Data Processing, and, on occasion, with the Computer Centre. Mr. Hudgins' work on the circulation system (in cooperation with library staff, with faculty and students organized in a laboratory, and with technical cooperation of the Althouse Computer Centre) has been especially responsible for the growth in the integration of computers into the teaching and research of the School.

## DEVELOPMENT OF THE SCHOOL'S QUARTERS

The year has been largely devoted to refinement and rationalization of the new space made available last year. With the levelling-off in student enrollment, the four seminar rooms and the special collections room (used for some specialized seminars) have proved to be adequate. However, the development of laboratories has underlined the need for a properly-equipped storage library to replace the emergency space now available in the two houses on Western Road. Over-congestion of library materials in the two houses is not only inconvenient; it has proved to be dangerous if more than two or three students are working among the compact shelving. Therefore, in consultation with the Chief Librarian, Dr. Lee, a proposal for a joint storage library for use by the University Library system, and by SLIS, has been put forward. Such a library, with associated laboratory teaching space should suffice for foreseeable laboratory teaching space.

The development of audio-visual activity in the School has dictated a reallocation of space. The audio facilities are concentrated in a convenient location between the larger of the two small seminar rooms and the students' lounge, but the space is too small. One of the two larger seminar rooms has been wired for sound recording, so this space also serves as a monitoring room for recording seminars. The visual facilities have been concentrated next to the dark room in the most distant of the four rooms added to the building last year, which also contains the bindery and its associated equipment, and the Library's book processing department. More space will be needed if the educational program is to continue to be successful. The original AV laboratory of the School was eliminated in favor of a more urgently-needed seminar room.

In last year's report, it was stated library facilities were given second priority to teaching facilities. This year, and in the coming year, they must be given highest priority. Only minor changes in the physical facilities in the library have taken place during the past year, as most attention was given to administrative development of the support staff while the outcome of the storage library proposal was awaited. Preliminary sorting of materials in the two houses on Western Road to facilitate laboratory use and to anticipate transfer of materials to adequate housing was all that could be done in preparation for the weeding process which was

described in last year's report, and which is now long overdue. Air conditioning of the Library, which is an absolute necessity in the crowded conditions now prevailing, has been delayed because of technicalities, and during the first half of the summer of 1971, the Library had to be closed three times to bring down the temperature and humidity. It was hoped that the cooling system would be working by the end of the summer.

Last year, student and faculty facilities were reluctantly given third priority, but the furnishing of both lounges was completed in the summer of 1970, and the central space in the office wing of the building was subdivided into eight new offices. A total of twenty-one offices are thus available for the authorized twenty-three full-time members of faculty, and for our visiting lecturers and professors. In the library wing of the building space for only twelve office desks can be provided for support staff, and five in the administrative area. During the past year, two members of the support staff have been accommodated in lecturers' offices. The only way in which all members of the faculty and support staff may be provided with an office or a desk is to deprive a faculty member of his office when he has his term off from teaching once a year in the trimester system. Student facilities (especially washrooms and, in the winter, locker space) are only barely adequate.

### THE LIBRARY

After three years of dedicated acquisition of retrospective materials for the library, and a carefully-controlled selective policy for current materials, the past year has concentrated upon comprehensive acquisition of current materials and begun a systematic filling-in of the gaps not filled in the retrospective collections during the period of massive collection building. As a result of the new emphasis in policy, 7,969 monographs were added to the collection during the year.

Monographs purchased	6,946
Monographs free/gifts	831
Monographs on exchange	192
Total	<u>7,969</u>

In addition, 1,141 other items (microfiche cards [684], microfilm reels [245], slides [60], records [60], 16 mm. films [39], 8 mm. films, filmstrips, tapes, games, kits, realia, models, etc.) were acquired to provide a wide range of multi-media materials for teaching and demonstration.

The SLIS Book Catalog holdings on June 30, 1971, stood at 21,423 titles (i.e., 37,061 vols) exclusive of the children's literature collection of 4,000, which will be incorporated as a special section of the Book Catalog in the coming year. A great deal of recataloging and reclassification took place during the year in response to needs for rationalizing the experimental system. The School was receiving 953 current periodical titles at the end of the year, and non-current titles remained at 537. 5,538 back issues were added to the periodical collection. Special Collections increased its holdings of pre-1800 books to 8,519. Among the additions were several important dictionaries and encyclopedias (such as Lexicon Technicum 1708, 1710, and the first edition of Chambers' Cyclopedia 1728), and some outstanding library catalogs (such as that of the Royal Library 1820-29, and Catalogi librorum manuscriptorum Angliae et Hiberniae Oxford, 1697).

Much experimenting with the circulation system took place during the year. Breakdown of the input devices for the automated system led to use of alternative equipment. A Datron 102 reader and a Dataphone 401 EJ 2 set was installed alongside a new touchtone phone unit, and a laboratory class of nine students carried out an investigation into new systems to utilize the equipment maximally for both operational and teaching purposes. This so-called "CALL" laboratory team laid the foundations for further problem-solving projects within the teaching program during the spring term. Although circulation was forced to revert to a manual system from time to time, the educational value of trying out new automated systems compensated for some of the frustrations resulting from breakdowns.

Catalog cards for 2,520 titles in the SLIS collection were sent to the National Union Catalog in Ottawa, and 2,870 to Lawson Memorial Library for incorporation in the main catalog of the campus. These attempts to have our holdings reported in union catalogs began in January but were slowed down during the summer months. In May, short-title catalog entries for Special Collections holdings which had been made during the previous terms were sent for keypunching, and thus work on creating a second "main file" of 20,000 entries for the Hand-Printed Books project was begun.

### COMPUTER CONTROL OF INFORMATION

Developments in the HPB project, the Book Catalog, and the circulation system were the main concern of the School during the past year, but a new system was also under development as the result of experiments with an SDI (Selective Dissemination of Information) system in a course conducted by Professor Bird. This and other systems will continue to be created as the information science component of the program is elaborated in the coming year.

### THE PhD PROGRAM

Since January, 1969, when the School's MLS program was accredited by the American Library Association, work on planning a PhD program has been steadily going on. A proposal drafted in the summer of 1969 went through a rigorous internal appraisals procedure during 1969-70, and during the past year has been under consideration by the Ontario Council of Graduate Studies' appraisal committee. In June, 1971, the program (concentrating on the fields of Bibliography and Bibliographical Control of Information) gained the approval of OCGS, and has now been submitted for approval by the University. Curriculum development for the MLS during the coming year will be closely linked with planning for the PhD program, which, it is hoped, will be introduced in September, 1972.



HEALTH SCIENCES

Report of the Vice-President

DR. O. H. WARWICK

Within the reports of the Deans of Medicine, Dentistry and Nursing will be found the detailed record of activities of those faculties for the year under review. Because the development of Health Science programs depends, in large measure, upon facilities necessary for such programs and because these facilities cannot be developed without government approval and financial support, it seems worthwhile to record a series of events occurring during the past year which will greatly influence in the London area, for several decades to come, the development of teaching, research and service within the broad field of health care.

Reference was made in last year's report to the London Health Sciences Co-ordinating Committee, chaired by President Williams, and to the fact that a role study of London's health facilities was being undertaken at this committee's instigation by a firm of hospital and management consultants whose terms of reference would be broadly based, covering the development of all health facilities in the London area for the next ten years. This report took about five months to prepare and was completed in April, 1971. Because of its historical importance, a copy has been bound and placed in the Health Sciences Library for future reference.

The report entitled "Health Services, Teaching, and Research in London", has recommended, among other things, that:

- a) A major paediatric facility be constructed in association with Victoria Hospital;
- b) Westminster Hospital be continued as an active treatment hospital affiliated with The University of Western Ontario and that it be acquired and administered by the London Health Association;
- c) A Regional Rehabilitation Centre be built in association with Westminster Hospital;
- d) Obstetrical care be confined to Victoria and Westminster Hospitals;
- e) Activities relating to family practice units be encouraged but limited, for the time being, to units associated with St. Joseph's and Victoria Hospitals and to a proposed rural health centre west of London;
- f) Any increase in medical undergraduate intake beyond 100 per annum be conditional upon an increase in the Health Resources Development Plan allocation to London;
- g) Fanshawe College, because of its active participation in the education of health personnel, be represented on the London Health Sciences Co-ordinating Committee as well as on the Joint Relation Committees of the teaching hospitals and The University of Western Ontario; and
- h) That in keeping with newly established government policy, Fanshawe College accept responsibility for the education of students proceeding to their diploma in Nursing.

The report has also dealt with priorities for construction and their time relationships. Funds for Phase I of the Health Sciences Centre have been assigned for 1974-76 while the funds for Victoria and St. Joseph's Hospitals respectively are for 1975-79 and 1977-80.

Of particular interest is the fact that no recommendations have been made to solve the problem of where the total funds required for the ten year period of expansion are to come from. Some twenty million dollars will be necessary from the community to supplement government sources and clearly, within the present climate, the raising of this amount is impractical.

A brief concerning the report has been presented to the Senior Co-ordinating Committee of government expressing, primarily, a concern about the timing of expenditures and the total funds available. Word has since been received that all projects may be moved ahead by two years thus realizing a very substantial saving from escalating costs of construction. Hopefully, therefore, the construction of new facilities for the Faculty of Nursing and additions to the Library and to the Animal Quarters may be underway by July of 1972. If we are fortunate, these new facilities will be available for use in the fall of 1973.

Of importance to all of our clinical training programs is the rate at which new hospital and ambulatory service facilities can be completed. University Hospital is running about three months behind schedule and it seems unlikely that patients can be admitted for care before November 1, 1972. At present there is a critical shortage of clinical teaching beds for our students in both the Faculty of Nursing and the Faculty of Medicine. The completion of University Hospital will help to alleviate this problem but it is realized that clinical teaching facilities must also be expanded at our other major teaching hospitals. The transfer of Westminster Hospital to civilian ownership is fraught with numerous problems at the Federal-Provincial Government level and it seems unlikely that this changeover can take place within the next two years.

It is gratifying to record that two new programs in Occupational Therapy and in Communication Disorders have been established. The entering class of dental students this year reached its full complement of fifty-two students. The nursing program also continues to grow. Dean Bocking has referred to a contemplated increase in the size of the entering class in the Faculty of Medicine. If certain conditions can be met, the Council of the Faculty of Medicine has agreed to increase the entering class size to one hundred and fifty which represents a very significant increase.

We continue to live in a period of very active growth both in capital expansion and in development of programs. Difficulties, naturally, arise but with the spirit of cooperation found in all sectors of the Health Sciences community as well as in other parts of the University these can almost always be resolved.



FACULTY OF DENTISTRY

Report of the Dean

DR. WESLEY J. DUNNUNDERGRADUATE DENTAL CURRICULUM

If one policy-recommending committee of Council can be considered more important than any other to the total program of the Faculty it is likely that one would receive little argument if he were to contend that the Committee on Undergraduate Dental Curriculum is that committee. The following is a summary of the committee's major activities and recommendations.

The most noteworthy activity of the CUDC has been the employment of a curriculum consultant, Dr. J. A. B. McLeish, Executive Vice-Chairman of the Ontario Institute for Studies in Education's Professional Education Project. Much of the year's work was directed to a review of Part I of Dr. McLeish's interim report.

Council approved a CUDC recommendation bearing on the Areas of Concentration quarter agreeing that there should be three types of activity recognized:

- a) improvement of deficient clinical performance;
- b) extension of already adequate skills and knowledge of clinical areas; and
- c) basic science research.

In order to fulfil the requirements of the Area of Concentration quarter adequately, Council directed that each student, in the final quarter of fourth year, must have at least eight half days available each week.

Council approved the disassociation of the Timetable Sub-Committee from CUDC and agreed that the Sub-Committee should relate, primarily, to the Health Sciences Timetable Co-ordinating Committee.

On the subject of course objectives, Council agreed that a department, when initiating a significant change in course objectives, shall seek the advice of CUDC and obtain the approval of Council before the change is implemented.

CUDC embarked upon a review of the curriculum in order to discover if any unreasonable duplication in course content exists. The syllabus prepared for the accreditation survey in October, 1969, was reviewed and several apparent duplications were found. The committee is now engaged in an evaluation to determine if curricular adjustments should be recommended.

In February 1971, CUDC, after reviewing the interim report of the consultant, advanced several recommendations which, in the opinion of the committee, could be implemented without involving a substantial change in curriculum hours.

INTERDEPARTMENTAL TEACHING

The Sub-Committee on Interdepartmental Teaching of the Committee on Undergraduate Dental Curriculum presented recommendations designed to improve the IDT program. Council concurred and ratified the following recommendations:

- a) The Interdepartmental Teaching sessions of the third and fourth years be now termed Oral Biology.
- b) The Oral Biology sessions be held at the same time each week throughout the entire academic year, embracing a course of six consecutive quarters commencing with the second quarter of third year.
- c) The Department of Social Dentistry be invited to participate in the teaching sessions.
- d) A comprehensive examination in Oral Biology be held at the end of the fourth year.
- e) The non-neurophysiological and the applied neurophysiological elements of IDT Oral Biology in the present second year be removed from this year and be taught in third and fourth year programs.

- f) IDT Oral Biology of second year be replaced by an integrated course of Neuroanatomy and Neurophysiology, the former discipline being withdrawn from the first year course.
- g) The didactic aspects of third and fourth year Occlusion be incorporated into the Oral Biology of these years, maintaining the interdepartmental approach, organized horizontally throughout the first quarter and managed by the Committee on Occlusion.

The CUDC identified a need for a more complete coordination of the teaching of oral cancer. Accordingly, Council named the organizer of the Interdepartmental Program in Oral Cancer as coordinator of the teaching of oral cancer within the Faculty.

#### STUDENT EVALUATION PROCEDURES

Student evaluation procedures is a subject which frequently engages the attention of the Faculty. Fair and equitable evaluations are, at best, difficult to achieve and it is to the Faculty's credit that it constantly strives to develop the most rational system possible. It is fair to say that there are many views and opinions among faculty in respect of student evaluation and these range on the one hand from the assigning of numerical marks in each discipline thus producing a numerical aggregate with student ranking dependent on the aggregates to a pass-fail-honors system without ranking on the other. Studies are proceeding in this area.

At the end of the 1970-1971 academic year the following represents the policy of the Faculty in respect of student evaluation procedures:

- a) Senate, at its meeting of May 7, 1970, approved a Grading System for the final evaluation of student performance in courses offered by the Faculty of Dentistry:
  - E - excellent performance
  - G - good performance
  - S - satisfactory performance
  - U - unsatisfactory performance.
- b) Pursuant to the above motion Senate then responded to a Faculty-approved recommendation on Student Ranking. Each Department ranks the students in the subjects of the Department and submits the ranking schedule to the Council of the Faculty of Dentistry for over-all ranking of students in each year. This ranking refers only to the final evaluation as provided for in paragraph a) above.
- c) The force of paragraphs a) and b), then, requires each Department, when it returns its final evaluation to the office of the dean, (1) to evaluate each student's performance as E, G, S, or U and (2) to rank each student in the subject being reported.
- d) In respect of student ranking, the Senate has ruled that "publication of ranking shall not be permitted except on the written request or consent of an individual student for reasons which in the opinion of the dean justify the release."
- e) As far as Departments are concerned there have been no circumscriptions placed on their "in term" evaluation procedures. Each department, during the course of the academic year, is free to use numerical marks, letter grades, grade points, or any other method which, to the department, best meets its requirements.
- f) During the December 22, 1969, meeting of the Council a motion was passed recommending "that each academic department be encouraged to describe (to the students) the minimum standard for satisfactory performance."
- g) Irrespective of the evaluation methods being employed by a Department, a student should be able, during the year to relate his academic and/or clinical performance to the four performance levels employed in the final evaluation. In most instances, the numerical mark of "80" and above would constitute an "E" performance, and the numerical range 70-79 would be indicative of a "G" performance. Some Departments employ 60-69 as the range of the "S" performance while others have established the 50-69 range as indicative of an "S" performance. This prerogative rests entirely with each department but it is urged that the student be informed of "the minimum standard for satisfactory performance."
- h) Departments may, if they wish, post student marks or grades. By action of Council the names of students are not posted. Departments may employ the student number or any other number which the department may have assigned to a student which is known only to that student.



## REGULATIONS ON ADVANCED STANDING ADMISSIONS RESCINDED

As all applicants for admission with advanced standing possess a registrable qualification for the practice of dentistry in Ontario, Council, at its meeting of June 1, 1971, acted affirmatively on the recommendation of its Executive Committee, to rescind its regulations bearing on admission with advanced standing. This action in no way affects the students already accepted into the Faculty on the basis of advanced standing.

At best, the number of advanced admissions is so small that this mechanism provides no effective solution to the re-training of the dentists who emigrate to Canada. The 37 failures among the 41 candidates who took the National Dental Examining Board of Canada examinations in June, 1971, provide mute testimony to the inability of the dental schools, employing an advanced standing mechanism, to do more than mar the surface of the problem. Experience has adequately demonstrated that the normal undergraduate dental program does not provide the appropriate re-training stratagem for foreign dentists. If a solution is to be found for this problem it will require the resourceful and effective cooperation of provincial licensing authorities, the N.D.E.B., and the provincial and federal governments.

## NEW AWARDS ESTABLISHED

The following awards were established in the Faculty during the 1970-1971 academic year:

Canadian Society of Oral Surgeons Award: a book in oral surgery or the equivalent in cash awarded annually to the fourth year student who achieves the highest standing in the subject of oral surgery.

Royal College of Dental Surgeons Award in Oral Biology: a cash award of \$100 plus a plaque or scroll to be presented annually (commencing in 1971-1972) to the second year student who achieves the highest standing in the subject of Oral Biology.

The Faculty Association of The University of Western Ontario granted several one-time awards across the university. One was available for the Faculty of Dentistry. The award was granted to the second year student who, on the basis of a special examination, was adjudged to be most proficient in the subject of Oral Biology. The winner was Mr. Raymond C. Hillary.

The Faculty of Dentistry expresses its deep thanks and appreciation to the donors for their thoughtful generosity.

## ROYAL COLLEGE OF DENTAL SURGEONS CENTENNIAL ADMISSIONS SCHOLARSHIP

Mr. Gerald D. Seaman of first year was awarded the RCDS Centennial Admissions Scholarship. This award will now be discontinued. The Faculty is grateful to the Royal College of Dental Surgeons Board for establishing a Dean's Discretionary Fund to be used, when appropriate, to assist students needing financial help.

## ADMISSIONS - 1970-1971 ACADEMIC YEAR

The Committee on Admissions was presented with 363 applications for the fifty-two places available in the first year class. Seven were declared ineligible and seven withdrew before being considered. Thus the net increase over the 279 eligible applications of the previous year was seventy.

Fifty-two students were admitted as was one unsuccessful student of the 1969-1970 first year. First year enrolment in 1970-1971 was fifty-three.

The successful applicants attained either at least a "B" average in the year preceding admission (48) or at least two years of "B" standing among the three years of Grade XIII and the two years of pre-professional study (4).

Twenty-nine students have degrees and of these students, two have two degrees--eighteen BSc, ten BA, two BScPhm, and one MSc. Fifteen of the students, at the time of admission, were married. The age range was twenty to thirty-five with the mean, 22.7. The students came from a total of thirty-one Ontario communities and received their pre-professional education within a total of ten universities.

## CONTINUING EDUCATION 1970-1971

The following activities were carried out during the 1970-1971 academic year:

- a) Five short postgraduate courses were held with a total attendance of ninety-five, almost double that of last year. In addition, a representation from the part-time and full-time faculty was able to attend as guests. Unfortunately, three other scheduled courses were required to be cancelled because of insufficient candidates.
- b) Seventeen extramural lecture engagements were provided to dental societies throughout the province. Of these, sixteen were presented by full-time members of faculty and one by a part-time member. In addition, two two-day seminars were provided by the Department of Restorative Dentistry under a special program sponsored by the Royal College of Dental Surgeons of Ontario and the Ontario Department of Health.
- c) Arrangements have been made to present nine short postgraduate courses during the 1971-1972 academic year. Brochures for both short postgraduate courses and extramural lectures are being distributed to all dentists and dental societies in the province.

#### ADVISORY COMMITTEE TO THE FACULTY OF DENTISTRY

Sixteen members of the Advisory Committee to the Faculty of Dentistry met on October 14, 1970. Dr. Harvey W. Reid, representative of the Canadian Dental Association, was again elected chairman of the meeting. The 1969-1970 Annual Report was employed as the resource document for the meeting.

The members of the Advisory Committee unanimously requested that their sincere congratulations be extended to the Council of the Faculty of Dentistry on the school's acquisition of full accreditation status. The committee, too, was highly commendatory in respect of the performance of the first graduating class both in the examinations within the Faculty and in the examinations of the National Dental Examining Board of Canada.

#### DENTISTRY TODAY

A cooperative venture between the London-Middlesex Health Unit and the Department of Social Dentistry resulted in the production of seven videotapes scheduled as follows on Cablecast 13:

<u>DATE</u>	<u>TIME</u>	<u>TITLE OF PROGRAM</u>	<u>MAIN PARTICIPANTS</u>
July 15, 1971	3:30 & 7:30 pm	Dentistry Today	J. L. Leake and D. W. Banting
July 22, 1971	3:30 & 7:30 pm	Periodontal Disease	K. H. Wright
July 29, 1971	3:30 & 7:30 pm	Modern Orthodontics	B. R. W. Smith and H. C. Parrott
August 5, 1971	3:30 & 7:30 pm	Dental Radiography	J. A. Reid
August 12, 1971	3:30 & 7:30 pm	Paediatric Dentistry	D. A. King
August 19, 1971	3:30 & 7:30 pm	Restorative Dentistry	J. A. Guest
August 26, 1971	3:30 & 7:30 pm	The Dentist and Diseases of the Mouth	D. G. Gardner and J. P. Sapp

Each of the programs will also be shown at the same times but one day later on Maclean Hunter Cable T.V., Channel 4.

In the following months the series will be presented for viewing over local channels in Chatham, Brantford, Oshawa and Newmarket (includes Holland Landing and Bradford). It will be shown again on the two London channels in about six months' time.

#### CLINICAL OFFICE ACCOMMODATION AND RESEARCH FACILITIES

During the October 27, 1969 meeting of the Executive Committee of Council it was agreed that a problem existed in respect of office accommodation for clinical faculty and, to some extent, individual research facilities, as well. A committee consisting of Dr. W. R. Teteruck,

Chairman; Dr. I. D. F. Schofield and Dr. J. A. Reid was established to (a) identify the needs for clinical faculty office accommodation and research facilities until 1973, and (b) recommend on building alterations or acquisition of new accommodation to meet the needs identified by the committee.

An enormous amount of work by the ad hoc committee resulted in a comprehensive report which was presented to the Executive Committee on October, 26, 1970.

The committee reviewed the accommodation requirements on the basis of ten areas of administrative and departmental activity. It concluded that (a) there was a significant lack of clinical faculty office accommodation for anticipated increases in faculty and staff by 1973, (b) there was a lack of research facilities depending, in part, on graduate program approval and initiation by 1973, and (c) there was an incomplete utilization of present facilities.

The committee proposed many recommendations, most of which were adopted. An alteration schedule has been approved and contingent upon the acquisition of the necessary funds for the alterations required, a program extending over two or three years will ensue. The most emergent problem identified by the committee, that of extending the Dental Materials Science Laboratory, has already been resolved. The former faculty lounge and part-time faculty locker room have now become part of the DMS laboratory.

#### COMMITTEE ON SPACE UTILIZATION

Arising from one of the recommendations of the ad hoc Committee on Clinical Faculty Office Accommodation and Space Utilization was the establishment of a three-member standing committee on space utilization. The terms of reference of the committee are:

- a) The committee will, at least annually, review the utilization of the space on floors one and below in the Dental Sciences Building to assure that such space is being effectively employed.
- b) The committee will recommend, when appropriate, altered usage in physical space on the floors indicated.
- c) The committee will consult with the department or departments concerned prior to any recommendation for altered use of space.
- d) The committee will receive, consider and recommend on all clinical departmental requests for building alterations when such requests bear on physical space on floors one and below.

#### COMMITTEE ON CLINICAL RECORDS CHANGES NAME

Because the scope of activities suggested by the name, Committee on Clinical Records, appeared somewhat limiting Council agreed to a change in name of this standing committee. The committee is now called Committee on Clinical Policy, a designation which more clearly encompasses its function.

The committee met seven times during the year to deal with any and all matters bearing on the operation of the clinics in their relationship to the academic/clinical program of the Faculty. Of particular importance was the creation of a sub-committee on clinical assessment to consider and recommend on the methods for evaluating the clinical performance of students. The report of this sub-committee is expected in the fall of 1971.

#### HOSPITAL SERVICES COMMITTEE

Much of the activity, during the past year, of the Hospital Services Committee has been directed to the developing Department of Dentistry in University Hospital. The hospital is scheduled for opening in the late spring or early summer of 1972. The committee, specifically, has addressed itself to

- a) a functional plan for the department,
- b) guidelines for staff appointments, and
- c) terms of reference of the Hospital Services Committee in relation to the Department of Dentistry of University Hospital.

The committee presented a brief on the role of Dentistry in the Hospital Community of London to the Consultants engaged by The London Health Sciences Co-ordinating Committee.

### PROPOSED RURAL HEALTH CENTRE

Over the last year or so, a project has been developing involving a University-affiliated Medical Centre in a rural area west of London, which includes an Indian Reserve. The Centre is to provide services for total patient care. The project, as well as providing services, is to act as a demonstration model in the delivery of health care in a rural area, provide a milieu for research and provide a setting for innovative health programs.

Dentistry, as a member of the University Health Science Complex, submitted a proposal for dental participation in this endeavor. Among other objectives, the dental component was intended to:

- a) Integrate dental health services with other personal and community health services.
- b) Investigate the use of expanded duties for dental hygienists in relation to productivity and cost.
- c) Assess the efficacy of field experience for students, utilizing the community as a classroom to expose them to social and cultural factors influencing demand for dental services.

Early in 1971, a dental demonstration model application was submitted for grant support to the Ontario Health Resources Development Plant, administered by the Ontario Department of Health. The application, regrettably, was not recommended for approval.

At this writing, it appears that dental participation in this project will not be possible although further proposals will be made. Without dentistry, the intent of providing total patient care at the Centre will not be realized.

### STUDENTS WIN HOMECOMING FLOAT AWARD

The float, entered by the students of the Faculty of Dentistry in the Alumni Homecoming Parade in October, 1970, was selected as the winner not only within its division but within the "best of parade" category as well. The second year, under the chairmanship of Mr. Jim Jean, was responsible for the planning and execution of the design.

### STUDENT SENATE OBSERVER

The student body of any Faculty, the constitution of which has been approved by Senate, is entitled to elect a Senate Observer. The observer may participate in the debates but The University of Western Ontario Act does not provide for his voting membership on Senate. He may, however, be appointed to Senate committees and in these he is entitled to vote.

The Dental Students' Society, although it had been entitled to elect an Observer for the previous two years, had chosen not to exercise its prerogative. However, following a modest amount of urging the Society elected Mr. David Osepchok, the President of the Second Year, to the post of Senate Observer.

### WESTERN STUDENT FIRST CANADIAN DENTAL ASSOCIATION STUDENT GOVERNOR

Mr. Gary C. Cooper of third year was elected during the Canadian Dental Students' Conference as the first student governor in the sixty-eight year history of the C.D.A. Additionally, Mr. Cooper was appointed chairman of the Third Annual Canadian Dental Students' Conference to be held in 1971. The chairman of the first such conference was Dr. David J. Kenny, a 1970 graduate of this Faculty.

### UWO CLINIC NIGHT

Again, the Faculty of Dentistry was honored to act as host to the members of the London and District Dental Society on February 11, 1971, at "UWO Clinic Night." Nine table clinics were presented by a total of thirteen students. A panel of judges made its decisions during the evening's presentations.

The President of the London and District Dental Society, Dr. F. V. Currie, presented a certificate of appreciation to each student clinician and then made the following awards:

1st place - Miss Elaine Lavoie and Miss Miki Toguri  
\$50 prize

Subject - "Selection of Anterior Teeth for Removable Prosthesis"

- 2nd place - Mr. Barry Markham and Mr. Terry Summers  
\$30 prize  
Subject - "Caries Control by the Use of Adhesives"
- 3rd place - Mr. M. J. Knight  
\$20 prize  
Subject - "Apical Closure Using Chemotherapy"
- Honorable Mention - Mr. Jim Jean  
Subject - "The Use of Toluidine Blue in the Management  
of Oral Carcinoma"

Miss Lavoie will represent the Faculty at the Canadian Dental Association meeting in Ottawa in September, 1971, and at the American Dental Association meeting in Atlantic City in October, 1971.

The Dental Students' Society has now established an on-going Activities Committee which henceforth will be responsible for the organizational arrangements for UWO Clinic Night. Two members of faculty are elected by Council as advisers.

#### OPEN HOUSE

As a part of an ambitious university-wide "open house" in November, 1970, the Faculty of Dentistry mounted a wide variety of displays which attracted broad public interest. The theme, "The Making of a Dentist," was carried out through a visitor flow pattern whereby guests were shown the basic science aspects of dental education, dental pre-clinical materials and techniques and clinical practice routines in an order simulating the experience of dental students. Displays in each of these areas assumed a variety of forms including table exhibits, posters, slide-tape presentations and demonstrations of dental techniques and equipment.

An exact count of the number of visitors who toured the Dental Sciences Building was not made. According to press reports, the Health Sciences' tour was, by far, the most popular with the Engineering Sciences tour, second. Approximately 1,400 visitors signed the guest book in the Engineering Sciences' Building but organizers estimated total numbers of visitors to be closer to 3,000. It has been conservatively estimated that between three and four thousand people visited the Faculty of Dentistry during Open House.

#### AMERICAN DENTAL ASSOCIATION DENTAL STUDENTS' CONFERENCE ON RESEARCH

The Faculty was represented at the 7th Dental Students' Conference on Research in Chicago on February 25-26, 1971, by Mr. Keith G. Mochizuki of Second Year. This was the fourth consecutive time a student from Western participated in the Conference. As always, the conference proved to be both stimulating and enlightening. Mr. Mochizuki, following his return, prepared a report of his participation in the Conference. The report was produced in sufficient quantity to enable each dental student in the school to receive one and for each department to receive a supply for internal distribution.

The Faculty expresses its appreciation to the American Dental Association and to the Procter and Gamble Company for the privilege of being represented by one of its students.

#### MEDICAL RESEARCH COUNCIL SUMMER UNDERGRADUATE RESEARCH SCHOLARSHIPS

The Medical Research Council made provision for seven Summer Undergraduate Research Scholarships applicable in the months of June, July and August, 1971. Applications were sought from first and second years and following a review of the applications only six of the scholarships were awarded. The successful applicants were:

M. F. Burlington	F. A. Robertson
D. C. Lau	R. H. Rudell
P. M. Neilson	F. G. Sexton

#### MEDICAL RESEARCH COUNCIL VISITING PROFESSOR AND ANNUAL PUBLIC LECTURE

Through the generosity of the Medical Research Council the Faculty was able to benefit enormously from the contributions of its first MRC Visiting Professor, Dr. Norman R. Thomas, Professor of Oral Biology of the Faculty of Dentistry of the University of Alberta. Dr. Thomas was on campus for a week and in that time gave lectures, participated in seminars, and acted as a consultant to any department wishing to avail itself of Dr. Thomas' counsel. On February 24,

Dr. Thomas delivered the Third Annual Public Lecture taking as his subject title "The Thousand Natural Shocks." Council, during its meeting of March 22, 1971, moved a formal vote of thanks to Dr. Thomas for his interesting, stimulating, and informative lecture and for his valuable contributions made in his role as MRC Visiting Professor.

#### ONTARIO COUNCIL OF UNIVERSITY HEALTH SCIENCES FORMED

On June 17, 1971, action was taken to constitute an Ontario Council of University Health Sciences. Twenty-one senior health science academic administrators representing nine Ontario universities met in Toronto under the chairmanship of Dr. John D. Hamilton, Vice-President (Health Sciences), of the University of Toronto. Dr. J. B. Macdonald, Executive Director of the Council of Ontario Universities, was present for the morning session.

As a consequence of the day's deliberations a request has been transmitted to the Council of Ontario Universities to give official recognition to OCUHS as a council affiliated with and responsible to COU. The purposes of OCUHS are five in number:

- 1) To provide an effective means of coordination of effort through a regular medium of communication between health science faculties and schools of Universities of Ontario;
- 2) To provide a forum for discussion of problems of mutual interest;
- 3) To advise the Council of Ontario Universities on matters which will influence health science education and research;
- 4) To consider such matters as may be referred to it by the Council of Ontario Universities;
- 5) To serve in a liaison capacity between the schools and faculties represented on it and other agencies, offering educational programs for allied health personnel.

The following were elected as the first Executive Committee of OCUHS:

Chairman	- Dr. John D. Hamilton, University of Toronto
Vice-Chairman	- Dr. Wesley J. Dunn, University of Western Ontario
Secretary	- Dr. Helen Carpenter, University of Toronto
Members	- Dr. E. J. Fisher, University of Waterloo
	- Dr. D. G. Howell, University of Guelph.

#### VISIT OF WORLD HEALTH ORGANIZATION FELLOWS

The Faculty responded affirmatively to a request from the Department of National Health and Welfare to host four WHO Fellows from Cuba from March 8-12, 1971. The purpose of the visit of the Cuban dentists, two of whom were primarily interested in periodontics, one in orthodontics, and one in prosthodontics, was to observe programs and to discuss with faculty members matters of concern in various professional areas. Before departing, all four conveyed sincere appreciation to all members of faculty for the courtesies shown and for contributing information and time in the interest of making the visit an informative and enjoyable one.

#### COUPLAND REFERENCE LIBRARY OF INTERPRETIVE RADIOLOGY

Dr. James P. Coupland of Ottawa, a distinguished past president of the Canadian Dental Association and the Royal College of Dental Surgeons of Ontario, donated his collection of slides on interpretive dental radiology as a reference library for the students and faculty of the Faculty of Dentistry. Council, at its meeting of June 1, 1971, gratefully and unanimously adopted a resolution of appreciation which was immediately thereafter forwarded to Dr. Coupland. The collection called the "Coupland Reference Library of Interpretive Radiology" is maintained by the Division of Radiology of the Department of Oral Medicine.

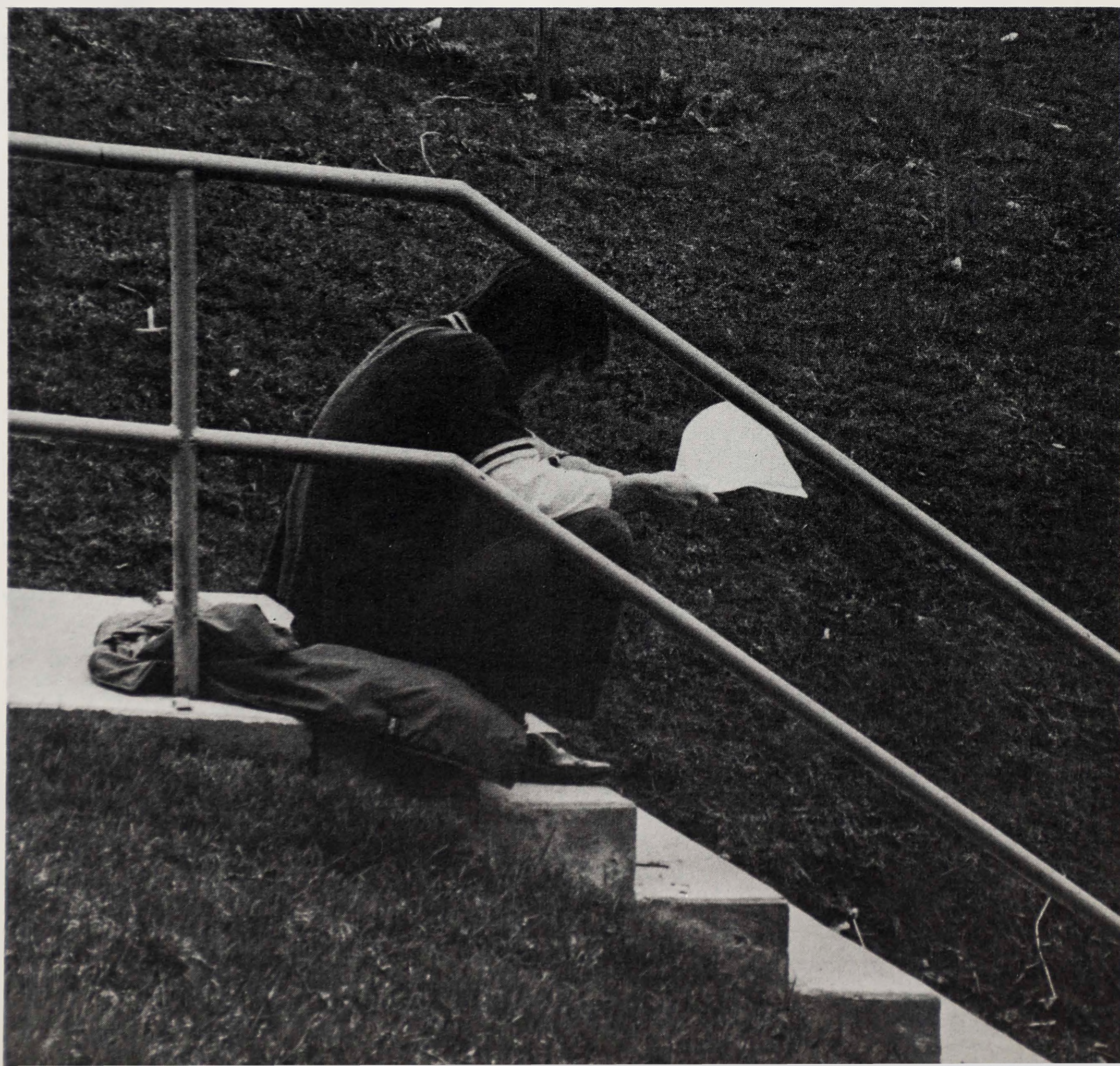
#### COURSE FOR DENTAL ASSISTANTS - FANSHAWE COLLEGE

In early January of 1971 the Course for Dental Assistants was launched by Fanshawe College of Applied Arts and Technology. The program had its genesis within the College's Health and Welfare Programs Advisory Committee and the various approvals by the College's Board of Governors, the Council of Regents, the Ontario Department of Education and the Board of Directors of the Royal College of Dental Surgeons of Ontario were all subsequently received.

The Dean of the Faculty of Dentistry is the chairman of the Course Advisory Committee and Dr. B. P. Martinello, Chairman of the Department of Social Dentistry, is the chairman of the Course Evaluation Committee.

The students, nineteen in number, received all their clinical experience in the clinics of the Faculty of Dentistry. Assignments commenced on March 30, 1971, and continued for three days a week and later to four days a week until June 25. During the weeks of the regular curriculum, working hours were 9-12 a.m. and 2-5 p.m. These were amended during Summer clinic to 9-12 a.m. and 1-4 p.m. In addition to assignments in the Main Clinic, the candidates progressed through the Oral Surgery Clinic, Emergency Clinic, Oral Diagnosis and Dispensary.

It has been mutually advantageous to the Faculty and to Fanshawe to have effected this cooperative arrangement and the Faculty expresses the hope that it will continue.







FACULTY OF MEDICINE

## Report of the Dean

DR. D. BOCKINGINTRODUCTION

In 1970-71, the Faculty of Medicine has worked closely with her sister Faculties of Dentistry and Nursing and the affiliated teaching hospitals in planning the future development of London's Health Science Complex. The progress in construction of the new University Hospital has been of special interest and concern.

Another major concern of the faculty during the year has been the consideration of an increase in the entering class size. At the same time as the faculty was giving consideration to this matter, a Committee of the Ontario Medical Association and a special committee of the Ontario Council of Health have been considering the need for an additional medical school in the Province of Ontario. The provincial committees have recommended that the existing five medical schools in the province increase their enrolment and that any decision regarding a sixth medical school in the province be deferred for the present. In June, the Council of the Faculty of Medicine approved increasing the entering class size from the present 85 to an eventual 150 students per year, providing that manpower needs justify this expansion and subject to the provision of funds for additional faculty and necessary Basic Science and Clinical facilities and the development of an appropriate curriculum.

FACULTY

The death of Dr. Gordon L. Jepson on August 12, 1970, is recorded with regret. Dr. Jepson was a graduate of The University of Western Ontario in 1910 and served on the faculty in the Department of Anaesthesia from 1913 to 1949.

The death of another colleague, Dr. J. H. Beattie, on October 1, 1970, is also regretfully reported. Dr. Beattie was a member of the staff of the Sir Adam Beck Memorial Sanatorium and the Department of Medicine.

On January 24, 1971, Dr. C. C. Ross passed away. Dr. Ross was a highly respected member of the Department of Surgery from 1932 to 1966 and served as Chief of Surgery at Westminster Hospital until his retirement due to illness.

Dr. W. P. Tew has been appointed a Professor Emeritus of the Faculty of Medicine. Dr. Tew served as Professor and Head of the Department of Obstetrics and Gynaecology from July, 1937, to June, 1957.

During the year, two members of faculty were on sabbatical leave - Professor A. C. Wallace, Head of the Department of Pathology was a Visiting Scientist at Monash University in Melbourne, Australia; Dr. K. P. Strickland of the Department of Biochemistry was a Visiting Scientist at The John Curtin School of Medical Research in Canberra, Australia.

The resignation of Dr. G. E. Lovatt as Director of Medical Education at St. Joseph's Hospital effective January 31, 1971, is recorded with regret.

The retirement of several senior members of faculty is recorded and appreciation is expressed for their services over the years - Dr. E. S. Goddard from the Department of Psychiatry, Dr. Mary Scoffield from the Department of Community Medicine, and Dr. W. W. Middleton and Dr. L. D. Wilcox from the Department of Medicine.

Administrative appointments in the faculty include the following - Dr. Margot R. Roach was appointed Chairman of the Department of Biophysics effective July 1, 1970, for a three-year term, renewable. Dr. Vernon B. Brooks, Professor of Physiology at the New York Medical College will join the Department of Physiology as Professor and Chairman in July, 1971. Appreciation is expressed to Dr. G. J. Mogenson who served capably as Acting Chairman of the Department of Physiology during the period since the resignation of Professor J. A. F. Stevenson.

Dr. L. S. Carey will join the Department of Diagnostic Radiology as Professor and Chairman effective July 1, 1971. Appreciation is expressed to Dr. W. W. Wilkins who served as Acting Chairman of the Department of Diagnostic Radiology during the past two years.

In the Department of Anaesthesia, Dr. A. C. Webster served as Acting Chairman from October 1, 1970, to April 30, 1971. Dr. G. R. Sellery was Acting Chief of Anaesthesia at Victoria Hospital from October 1, 1970, to May 30, 1971, when he was named Chief of Anaesthesia. Dr. E. S. Russell was named Acting Chief of Anaesthesia at Westminster Hospital in March of 1971 and has subsequently been appointed as Chief of the Anaesthesia service at that hospital.

Dr. J. H. Watson was reappointed as Assistant to the Dean for a three-year term effective July 1, 1970.

In January, the faculty was host to two Medical Research Council Visiting Professors. Dr. M. Colonnier, Professor and Chairman of the Department of Anatomy at the University of Ottawa, was a Visiting Professor in the Departments of Anatomy and Physiology. Dr. J. C. Wilt, Professor and Head of Medical Microbiology at the University of Manitoba, visited the Department of Bacteriology and Immunology.

The reappointment of Dr. K. K. Carroll as an M.R.C. Associate for a further five-year period is recorded. Dr. B. A. Flumerfelt was awarded an M.R.C. Scholarship in the Department of Anatomy.

Members of faculty continued to serve on many faculty, university, provincial, national, and international committees and bodies. Of special note was the election of Dr. R. G. E. Murray as Vice-President of the American Society for Microbiology.

Professor C. F. Robinow was a Visiting Scientist in June of 1971 to the Institute of Molecular Biology in Moscow as a guest of the U.S.S.R. Academy of Sciences. Professor A. C. Burton was appointed a representative on the Liaison Committee between the International Unions of Physiological Sciences and of Pure and Applied Biophysics.

During the year, Dr. C. G. Drake was elected President of the Canadian Association of Clinical Surgeons and re-elected to the Board of Directors of the American Association of Neurological Surgeons. Dr. H. J. M. Barnett was elected to the Board of Directors of the American Academy of Neurology.

In October, 1970, Dr. J. T. Hamilton and Dr. B. A. Warren were elected as Senators from the Faculty of Medicine replacing Dr. J. M. Parker and Dr. H. B. Stewart. Sincere appreciation is expressed to Dr. Parker and Dr. Stewart for their services on that body and its committees.

#### DEPARTMENTS

During the year, an ad hoc committee gave consideration to the future place and role of the Department of Pathological Chemistry. During the past decade great strides have been taken in the development of teaching and research within this Department. Over the same period, there has been phenomenal growth in the service load undertaken by the laboratories of teaching hospitals. Opinions were sought from experts in the field of laboratory medicine from other Canadian and American Centres particularly as to the best administrative arrangements. On the recommendation of the committee, Council of the Faculty of Medicine recommended that the Department of Pathological Chemistry be reorganized effective July 1, 1972, with the Division of Haematology and Blood Bank coming under the aegis of the Department of Medicine, and the Division of Clinical Biochemistry including Endocrinology becoming a Division of the Department of Biochemistry.

During the year, consideration also was given by an ad hoc committee to a possible re-grouping of Nephrology and Urology. It was recommended and approved that there be a committee on Clinical Nephrourological Sciences established which would be an advisory committee for undergraduate and postgraduate programs in Nephrourology. This committee will also encourage cooperative research in Nephrology and Urology and will advise on the development and coordination of Nephrourological services in the London area.

#### STUDENT AFFAIRS

During the year, two graduate students in the Department of Biophysics brought special distinction to themselves and the department. Dr. Derek R. Boughner won the Young Investigators Award of the Canadian Cardiovascular Society in October, 1970. Dr. Gary G. Ferguson won the Harvey Cushing Award of the American Association of Neurological Surgeons in September, 1970.

In addition to the usual athletic and social activities of the undergraduate classes, a considerable number of students worked with the University Student Council in the Community Centre in the core area of London. Other medical students worked with the Kinsmen House Street Clinic in assisting youth with drug and other medical problems.

Undergraduate and postgraduate students were active participants in the deliberations of the Curriculum Policy Committee and its subcommittees.

## EDUCATION

The number of applicants for first year Medicine continues to rise. There were 671 applicants for the eighty-five places in first year Medicine in September, 1970. In addition to those accepted, there were approximately one hundred "acceptable" applicants who were not admitted because of "no room".

During the year, the Curriculum Policy Committee and its Subcommittees continued to work diligently on a proposed revision of the curriculum. The objectives of the proposed new curriculum were approved in principle by the Council in June.

The Program in Continuing Education continued to provide a varied and interesting series of refresher courses and lectureships. Clinics were also arranged in several centres in the Southwestern Ontario region. Of special note is the continuing interest in the "Acute Injuries of the Hand" course which is given annually in September. This is sponsored jointly by the Division of Plastic and Reconstructive Surgery of the Department of Surgery and the Workmen's Compensation Board of the Province.

## PROGRAMS IN COMMUNICATION DISORDERS, OCCUPATIONAL THERAPY, AND PHYSICAL THERAPY

During the year, the development of the Programs which were initially combined under Medical Rehabilitation continued. In January, 1970, Mrs. Margaret F. Trider was appointed Assistant Professor and began planning the new program in Occupational Therapy. In December, 1970, approval was given to the proposed four-year curriculum for this Program and preparations have been made to admit students to both the first and second years of the Program in September, 1971.

In September, 1970, the first six students were admitted to the second year of the new Program in Communication Disorders.

In May of 1971, the Program in Physical Therapy graduated its second class of students.

In April, 1971, approval was given by the Senate and the Board of Governors to the separation of the three programs into distinct Programs within the Faculty of Medicine. Dr. F. J. Rounthwaite was appointed Acting Director of the Program in Communication Disorders from April, 1971, to June, 1972. Mrs. Trider was appointed Director of the Program in Occupational Therapy for the period April, 1971, to June, 1976, and Miss S. Morgan was appointed Director of the Program in Physical Therapy for the same period.

## RESEARCH

Members of faculty in almost every department carry on active research programs in addition to their heavy teaching commitments. During 1970-71 the research grants from external agencies totalled approximately \$2,625,000.

The largest proportion of these funds supports research in the basic science departments directed towards advancing knowledge in the fields of cardiovascular disease, cancer, and neurological disorders. With the completion of the University Hospital, it is anticipated that the additional research space then available to the clinical departments will see a considerable expansion of clinical research programs.

## BUILDING PROGRAM

During the year, the Faculty of Medicine was actively involved in the preparation of reports for the "Role Study" carried out by the consulting firm of Kates, Peat, Marwick & Co. on the plans for Health Services, Teaching, and Research in the London area. The recommendations of the consultants to the London Health Sciences Co-ordinating Committee and the Senior Co-ordinating Committee in Toronto have resulted in many meetings. It is hoped that approval of the Provincial Government will soon be forthcoming for the Phase I expansion of the Health Sciences Centre which includes new space for the Faculty of Nursing and the Faculty of Medicine and the Health Sciences Animal Quarters.

## AFFILIATED TEACHING HOSPITALS

The Faculty of Medicine continues to work closely with its affiliated teaching hospitals in the provision of clinical experience for undergraduate and postgraduate students. The faculty is most appreciative of the support given by the affiliated hospitals to its teaching and research programs. The acute needs of St. Joseph's Hospital and Victoria Hospital for additional facilities both for service and education are recognized and fully supported by the Faculty.

## OTHER AFFILIATIONS

The Faculty of Medicine continues to collaborate with Fanshawe College of Applied Arts and Technology. Members of faculty are involved with the Programs for Radiology Technicians, Inhalation Therapists, Child Care Workers, and Social Service Assistants.

The Department of Clinical Neurological Sciences is collaborating with the Faculty of Medicine of McMaster University in postgraduate and continuing education programs in neurology and neurosurgery. It is anticipated that this inter-university collaboration will increase especially at the postgraduate level.

Following extensive discussion, arrangements have been made for the Health Sciences Library of The University of Western Ontario to serve as a Central Resource Library for the College of Family Physicians of Canada.

## PROVINCIAL AND NATIONAL ORGANIZATIONS

Many members of Faculty continue to be actively involved in committees and councils composed of representatives from other Faculties of Medicine both at the Provincial and National level. The Ontario Council of Deans of Medicine meets regularly and considers matters of concern to the five Ontario medical schools. These include the OHSC sharing arrangements for geographic full-time members of faculty, a formula for teaching and research space in teaching hospitals, briefs and presentations to the Commission on Post-Secondary Education in Ontario, and to the Committee of the Ontario Council of Health concerned with the question of a sixth medical school.

In October, 1970, Dean D. Bocking was elected President of the Association of Canadian Medical Colleges.

## COMMUNITY AND RELATED SERVICES

The Faculty of Medicine is cooperating with other faculties in the development of a proposed rural health centre in the Muncey-Mount Brydges area.

In December, 1970, a program to assist the Indian and Northern Health Services of the Department of National Health and Welfare in the provision of medical care in the Moose Factory area of Northern Ontario was initiated. The Departments of Family Medicine and Medicine have collaborated in arranging for Residents to work at the Moose Factory Hospital on a monthly rotational basis. Consultants in Medicine and Family Medicine have visited the Moose Factory area for one-week periods each month. In addition, consultants in Ophthalmology and Obstetrics and Gynaecology have also cooperated in the Program. The Department of Paediatrics participates in the Program in collaboration with Queen's University.

The Program sponsored by CIDA for members of this Faculty of Medicine to work with the Faculty of the Jawaharlal Institute for Postgraduate Medical Education and Research in Pondicherry, India, began formally in October, 1970. At that time, Professor W. E. G. A. Spoerel, Head of the Department of Anaesthesia, and Dr. Lois Myers, of the Department of Therapeutic Radiology, travelled to Pondicherry and worked in the respective departments in that institution for a period of six months. During the same period, visits were made by two final year medical students - Miss Jean Humphrey and Mr. Stephen Kiraly - for periods of two months at JIPMER under the sponsorship of Crossroads International. The Faculty looks forward to the day when professors and students from the Institute in India will visit Western.

FACULTY OF NURSING

Report of the Dean

PROFESSOR R. CATHERINE AIKIN

Celebration of the fiftieth anniversary of nursing programs at Western continued into the 1970-71 academic year. The Directory of all graduates was published in the fall and a copy was sent to each of the alumni and former participants in the annual Seminar for Senior Nursing Executives. On October 16, 1970, a special Homecoming Conference was held. This was well attended and enthusiastically received and resulted in the formation of a small group of alumni to plan for future homecomings. The completion of the history of nursing at Western has been delayed and it is hoped now that this will be ready for a homecoming conference in the spring of 1972.

There have been new developments in the cooperative activities of the Faculties of Dentistry, Medicine and Nursing. The Rural Health Unit has progressed closer to being operational. Several discussions have been held regarding the nurse in the Family Practice Units, the physician's associate and assistant and the nurse physician substitute. Newer roles of nurses and physicians seem to be evolving and these should become more clearly defined in the near future.

EDUCATION

There were no major changes in the two undergraduate programs this year. The enrolment in both programs has increased slightly. The number of applications for the basic nursing program is very large and it is regrettable that more cannot be accepted. Sufficient suitable clinical experiences for students is still the greatest deterrent to expansion.

The enrolment in the graduate programs again increased, especially in the program in Nursing Education. There were twenty full-time and eighteen part-time students. This increased number of students is placing great pressure on the faculty teaching in the programs.

Due to other commitments, the Seminar for Senior Nursing Executives was not offered this year.

At the request of the nursing community in London, a study was undertaken of the feasibility of mounting a course for registered nurses in Intensive Care Nursing. A grant for this study was obtained from the Richard Ivey Foundation. Nursing Personnel and Anaesthetists from four hospitals in London and St. Thomas acted as an advisory committee. Under the leadership of Miss Jessie Mantle, a proposal to offer such a course at Fanshawe College was forwarded through the London Health Sciences Coordinating Committee to the Senior Coordinating Committee for approval. This is seen as the first of many courses in special areas of nursing which might be offered at Fanshawe College and in which the University Faculty of Nursing and district hospitals and other health agencies might cooperate.

Mrs. Vivian Wood offered a three-day workshop in Tests and Measurement for teachers in schools of nursing. As on previous occasions, teachers from across Canada attended and the workshop was oversubscribed. Mrs. Wood will offer another workshop in the fall.

The Faculty of Nursing and the Canadian Cancer Society (Ontario Division) co-sponsored a one-day conference on the care of the patient with cancer. The six hundred people present enthusiastically requested further programs of this nature.

Miss Jean Forrest, Miss Jessie Mantle, Miss Dorothy Hibbert and Miss Jeananne McWhirter conducted short programs for individual hospitals and health units in Toronto and London.

RESEARCH

The Faculty of Nursing was fortunate in having Dr. Robert Leonard as a visiting professor during this past year. Dr. Leonard conducted a Research Colloquium every week for faculty and graduate students. He, along with Dr. Amy Griffin, assisted some of the faculty with individual research proposals.

The Research Colloquium will be continued next year under the leadership of Dr. Amy Griffin and a committee.

FACULTY

Many members of the Faculty contribute to professional and community organizations and health agencies. The following are particularly worth noting:

Mrs. Wendy Gerhard was elected President Elect of the Registered Nurses' Association of Ontario in May, 1971. She chaired the committee of the R.N.A.O. which prepared and presented a brief to the Ontario Commission on Post-Secondary Education.

Dr. Amy Griffin was a consultant to the Toronto Hospital for Sick Children in relation to its Self-Study. As well, she conducted a study of the curriculum of the Hospital for Sick Children School of Nursing. She served as chairman of the R.N.A.O. Committee on Education. She was a member of the Advisory Committee of Humber College of Applied Arts and Technology School of Nursing.

Miss Dorothy Hibbert was chairman of the Advisory Committee and a member of the Governing Committee of the Victoria Hospital School of Nursing. She was a member of the R.N.A.O. Management Committee and chairman of the Canadian Nurses Foundation Nominating Committee.

Miss Ethel Horn initiated and is now responsible for a new section in the Canadian Journal of Public Health entitled, "Community Health Commentary."

Miss Jessie Mantle was appointed to the Governing Board of London St. Joseph's Regional School of Nursing.

Mrs. Eileen Mountain (nee Healey) served as President of the Ontario Region of the Canadian Association of University Schools of Nursing. In consultation with the members, she also prepared a brief from ORCAUSN to the Ontario Commission on Post-Secondary Education.

Miss Thelma Potter was chairman of the London Council for Adult Education.

Mrs. Vivian Wood continued as a member of the Council of the College of Nurses.

APPRECIATION

The Faculty of Nursing is grateful for the contribution and cooperation of the Faculties of Arts, Medicine, Science and Social Science and the various health agencies in London. The assistance of these groups in planning and teaching courses and in arranging for clinical experience is sincerely appreciated.

FACULTY OF MUSIC

## Report of the Dean

PROFESSOR CLIFFORD VON KUSTER

The distribution of student enrolment for 1970-71 over the various areas of concentration was as follows:

FRESHMEN

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<u>MUSIC EDUCATION</u>	<u>PERFORMANCE</u>	<u>THEORY AND COMPOSITION</u>	<u>MUSIC HISTORY</u>
Second Year 42	Second Year 5	Second Year 3	Second Year 3
Third Year 27	Third Year 7	Third Year 1	Third Year 3
Fourth Year 27	Fourth Year 6	Fourth Year 3	Fourth Year 2
<u>Totals:</u> 96	18	7	8

<u>BA WITH HONORS MUSIC</u>	<u>BA WITH MUSIC OPTIONS</u>	<u>BACHELOR OF MUSICAL ARTS</u>
Second Year 9	Second Year 1	Second Year 9
Third Year 5	Third Year 12	Third Year 8
Fourth Year 3		
<u>Totals:</u> 17	13	17

Total Upper Classmen	176
Part-time and Special Students	6
<u>TOTAL UNDERGRADUATE ENROLMENT</u>	<u>270</u>

GRADUATE ENROLMENT

Music Education	1
Performance	4
Theory	3
Composition	2
Musicology	2

<u>TOTAL GRADUATE ENROLMENT</u>	<u>12</u>
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An additional 187 Arts and Science students were registered in one or more credit courses in Music.

The Faculty of Music reading room and library, which was badly in need of additional space, moved into new temporary quarters in a fourth annex, which was constructed this year adjacent to the A. E. Silverwood Building. Practice rooms, teaching studios and faculty offices were also included in this structure to accommodate increased student enrolment and ten new members of faculty. (See Appendix A.)

The new Faculty of Music building has been under construction and is expected to be ready in the fall of 1971. Removal of the Faculty of Music from its present site was originally planned for September, 1971, but since the office and classroom space required by the faculty in Talbot College will not be available at that time, the move has been postponed until the summer of 1972. The new building will serve as emergency space for other faculties until occupied by Music.

APPLIED MUSIC DEPARTMENT - Professor J. McIntosh, Chairman

The following is an analysis of undergraduate student enrolment by principal instrument:

Piano	117	Oboe	3
Voice	18	Bassoon	3
Organ	18	Trumpet	18
Violin	12	Trombone	11
Viola	6	Tuba	4
Cello	6	French horn	11
Classical guitar	1	Euphonium	1
String bass	1	Saxophone	4
Flute	10	Percussion	7
Clarinet	13		

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Plus: Special and part-time students:

Piano	2	Violin	1
Voice	2	Viola	1

6

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TOTAL 270

The Faculty of Music presented a total of seventy-nine concerts and recitals on campus in 1970-71 performed by faculty members, students and guest artists. These included solo recitals, chamber music offerings, and large-scale presentations by choirs, orchestra, concert band and brass ensembles. In addition, scenes from Mozart's operas were presented in Workshop fashion and the Singspiel Bastien und Bastienne by Mozart was given a full-dress operatic production. A group of elementary school children from Penfield, New York, demonstrated Suzuki string techniques, and the Orchestra and Choir of North Toronto Collegiate also performed on campus during the year.

Guest artists included pianists Rebecca Penneys, William Aide, and David Burge, in addition to the duo piano team of Garth Beckett and Boyd MacDonald, Peggie Sampson, gambist, Gabor Janota, bassoonist and the Ars Antiqua de Paris. Master Classes and lecture-demonstrations were given by Steven Staryk, violinist, Ron Bishop, tuba player with the Cleveland Symphony and James Stouffer, audiologist.

Special events included a pair of concerts organized by Dr. Damiana Bratuz as a tribute to Bela Bartok on the twenty-fifth anniversary of his death, and a concert and demonstration entitled "An Evening with Zoltan Kodaly" under the direction of Visiting Professor, Ilona Bartalus.

Tsuyoshi Tsutsumi, Visiting Professor of Cello, kept up a busy concert and recording schedule in addition to his teaching commitments. Of special interest was his concert of contemporary pieces for Cello solo by Japanese composers given at The University of Western Ontario. Professor Tsutsumi also played in Canada at points as far distant as Banff, Alberta and Halifax, Nova Scotia. A tour of Hungary was followed by three separate tours of Japan that included recording dates as well as solo recitals, broadcasts, and concerto performances. The Prize of Excellence for his Bach recordings was awarded to Professor Tsutsumi by the Ministry of Culture of Japan in November, 1970. Later in the year the Torii Music Prize was awarded to him "for making the greatest contribution to musical culture in Japan during the year 1970". Professor Tsutsumi was a faculty member at the Banff School of Fine Arts in the summers of 1970 and 1971.

In addition to their University appearances, many faculty members contributed to the community musical scene in such diverse ways as performing in the London Symphony and the London Chamber Orchestra, serving as church organists and choir directors, participating in musical comedy productions of the London Little Theatre and playing with many other bands and orchestras. In the wider community, James Stark, tenor, with Clifford von Kuster, pianist, performed at Trent University in Peterborough; Ralph Aldrich, violist, played two recitals and gave a Master Class in Cambridge, England; John-Paul Bracey, pianist, gave concerto performances in Sarnia and Port Huron, Michigan, in addition to a lecture-recital on the late Beethoven sonatas at Southwestern University, Memphis, Tennessee. French hornist, Stephen Seiffert, performed at the Penn State Orchestral Workshop in Pennsylvania and the Grand Tenton Music Festival; Professor Deral Johnson, Choral Conductor, gave choral clinics for the North York schools, for the Ontario Music Educators' Association in London, the Elgin County Music Teachers' Association, St. Thomas, and adjudicated festivals in Woodstock, Sarnia and Etobicoke. Trumpeter James Ford gave a Workshop at Fanshawe College, recital at Southdale Public School, Strathroy and recital and clinic at the Milton District High School, in addition to serving as director of the 1970 Ontario Youth Music Camp. Mr. Larry Cortner won first prize in the Sixth International Organ Festival held at St. Albans Abbey in England in June. The prize includes a cash award, a BBC recital, a concert at the Royal Festival Hall, London, England, and recitals at Cambridge and Oxford Universities. Mr. Cortner has also performed in recitals in Oshawa, Thunder Bay and New York City this year.



## ORCHESTRA, CHOIR AND SYMPHONIC BAND

The University of Western Ontario Orchestra, Professors Robert Skelton and Hermon Dilmore, conductors, completed a five-concert tour of Ottawa and Toronto in December, 1970. They were joined for their concert in Ottawa by the Faculty of Music Singers, Professor Deral Johnson, conductor. Later in the year, The University of Western Ontario Symphonic Band, Associate Dean Donald McKellar, conductor, gave concerts in Toronto and Oshawa.

The University of Western Ontario Choir, assisted by a travel grant from CUTA, toured Northern Ontario and performed in Sault Ste. Marie, Marathon, Schreiber, Geraldton, Thessalon, Elliot Lake and Sudbury. The choir was conducted by Professor Gordon Greene, and was also invited to present a recital at Brock University in March.

The three choral ensembles of the Faculty of Music were conducted by Professor Deral Johnson. Of special interest were performances of the "Chichester Psalms" by Leonard Bernstein, "Ceremony of Carols" by Benjamin Britten and the madrigal opera of Gian Carlo Menotti entitled "The Unicorn, the Gorgon and the Manticore".

A choral workshop at the Stratford Summer School conducted by Professor Johnson is planned.

The University of Western Ontario String Quartet, Professor Skelton, leader, gave recitals in Waterloo and Toronto, and a series of ten education concerts in the London schools. The London Brass Quintet, membership of which includes Professors Charles Dalkert and James Ford, gave a series of twenty-four public school concerts in London and Elgin county.

Professors Kenneth Bray, Damiana Bratuz and Donald McKellar have all served as music festival adjudicators in Canadian centres as widely placed as Cornerbrook, Newfoundland, Edmonton, Alberta, and Vancouver, British Columbia. Many other members of faculty have served as competition judges and Conservatory examiners during the year. Others have served as faculty members of music camps and summer schools of Fine Arts including Professors Tsutsumi and Bratuz at the Banff School of Fine Arts.

Faculty members, many with special financial support from The University of Western Ontario and others with grants from the Canada Council, have gone far afield to further their own studies. Antonia Mazan studied in Zurich, Switzerland, in the summer of 1970. John-Paul Bracey and Larry Cortner will be studying in France in the summer of 1971. Robert Riseling will spend several weeks at the University of Texas. Jeffrey Stokes and John McIntosh, Chairman of the Applied Music Department, will be studying at the Eastman School of Music at the University of Rochester. Stephen Seiffert attended the Marcel Moyse Woodwind Seminar and the Third International Horn Workshop. Charles Dalkert attended the International Trombone Workshop in Nashville, Tennessee.

Finally it might be mentioned that appropriate music for the university convocations was provided by The University of Western Ontario Symphonic Band under the direction of Associate Dean Donald McKellar in October, 1970, and by Professor John McIntosh, organist, in May, 1971.

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

Discussions within the department concerning the possible development of a doctoral program have brought into focus the areas in which individual faculty members are especially well qualified and informal meetings with the Theory Department have shed new light on the present day university music curriculum. More coordination and integration of academic offerings by Theory and History are expected as a result.

The general philosophy of the Music History Department has been articulated more satisfactorily this year, as a result of experience with graduate teaching and ideas contributed by new members of faculty. The Department has a firm commitment to Musicology closely allied with Performance and all members of the department are active performers of one kind or another.

Though relatively few students choose Music History as a major area of interest, the Department makes a significant contribution to the scholarly life of students in all programs. The responsibility for identifying stylistic features of all periods of music, for acquainting students with music bibliography and for ensuring that students acquire good research and writing habits, rests with this Department.

## COLLEGIUM MUSICUM

Collegium Musicum functioned as an extra-curricular ensemble for about a dozen students as well as for eight Music History majors this year. Mrs. Irmgard Seufert provided instruction

in recorder. Dr. Peggie Sampson of the University of Manitoba served as a special teacher of the viol da gamba and of Baroque music history classes in December and January. At the end of the year, a workshop performance of Machaut's "Missa de Nostre Dame" was presented by the Collegium ensemble under the direction of Professor Gordon Greene.

There was an increase in research and publishing by members of the Music History Department this year. Dr. Philip Downs was honored by having an article on Beethoven's "Eroica Symphony" printed in the Beethoven Memorial Edition of The Musical Quarterly, a journal of which Dr. Paul Henry Lang, Columbia University, is the editor. Professor James Stark read a paper entitled "Giulio Caccini and the Noble Manner of Singing" at the annual meeting of the Canadian Association of University Schools of Music at Mount Allison University in June. A special feature of his paper was a demonstration of the thesis in a vocal performance at the conclusion. Professor Greene's research on the music of the late fourteenth century French music was accepted as a dissertation by Indiana University for the PhD degree in Musicology.

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

During the year the department proposed a new course, Music 365, Twentieth Century Techniques. This course will explore the development of music in our present century from the theoretical, historical and sociological points of view. The course was approved and will be offered for the first time next year. Other new course offerings are now under discussion by the department.

A new organization of Music 25, Basic Theoretical Studies, was carried out during the year as a result of obtaining the services of Professors Bartalus, Baker, and Wechsler. Mme. Bartalus supervised all sight singing drill with the freshmen using the Kodaly system. Miss Baker and Mr. Wechsler shared all the freshman keyboard training. This uniform approach can be very successful, and we hope to continue it next year in order to measure its success more thoroughly.

The visit of Professor David Burge from the University of Colorado provided us with an interesting and stimulating two-day lecture-recital. Professor Burge (presently President of the American Society of University Composers) rehearsed his music for the performance by our faculty and students, gave a lecture-recital via tape of his "Twone", an intermedia work recently premiered in Colorado and his Violin Concerto, also premiered there, and participated in informal discussions with our composition students and those in the Contemporary Music course. He also performed contemporary piano compositions in an evening recital in Althouse College.

Professor Jean Berger's visit also provided a stimulating discussion concerning his recent musicological research in Europe and his views of the contemporary composer and his function in our present musical world. Professor Berger is particularly noted for his choral and vocal compositions.

In addition to the publications and scholarly papers listed in Appendix B and C, the following activities of members of the Theory Department are worthy of mention. Professor Peter Clements was in charge of electronic music projects and served as an electronic music consultant for Wheable Secondary School, Ontario College of Education, Althouse College, Fanshawe College and other university music departments. He also gave an electronic music demonstration for the Physics Department, the Fine Arts Department and the Alumni Association. Professor Alfred Fisher received two performances of his composition "Six Aphorisms" in Detroit, Michigan, and Windsor, Ontario, and he took part in a performance, broadcast and interview in connection with another work entitled "Breakthrough" at Mount Pleasant, Michigan.

#### MUSIC EDUCATION DEPARTMENT - Professor K. Bray, Acting Chairman

Three new members of faculty gave an added dimension to the work of the department this year. Mme. Ilona Bartalus, Visiting Professor from Hungary, served as a special lecturer in the Kodaly system of choral music. Herself a pupil of Kodaly, Mme. Bartalus organized and presented an "Evening with Kodaly", designed to illustrate the master as a music educator and as a composer. Under the patronage of His Excellency the Hungarian Ambassador to Canada, the program and demonstration took place in Althouse College before a capacity audience. An educational video tape was subsequently prepared of excerpts from the program with introductory comments by members of a panel formed for the purpose. This tape will be available to schools and other university music departments. Mme. Bartalus also conducted choral workshops in several Canadian centres including the University of Toronto Summer School.

Professor H. Dilmore introduced the Suzuki method of teaching string instruments to this area. In addition to his regular lectures at the Faculty he offered workshops and clinics in local schools. A summer school workshop is also projected for this summer.

Professor Robert Hughes conducted percussion workshops for West Humber Collegiate, for the Canadian Band Directors' Association and for London Music Teachers' Association. He served as adjudicator for the Stratford Kiwanis Music Festival and the Lambton County Music Festival in Sarnia.

Professor Robert Riseling was guest clinician at the Canadian Bandmasters' Association workshop in Fanshawe College and conducted a clinic at Westminster School.

A paper entitled "A Successful Adaptation of Kodaly's Music Education Principles", given by Professor Bray at the annual conference of the Canadian Association of University Schools of Music in Winnipeg, was published in the spring edition of the CAUSM Journal.

Associate Dean McKellar continued to conduct The University of Western Ontario Symphonic Band. He also remains as conductor of the International Symphony Orchestra of Sarnia-Port Huron.

Associate Dean McKellar was invited to give a paper at the national convention of the Canadian Music Educators' Association in Charlottetown, Prince Edward Island which was subsequently published in the Canadian Music Educators' Journal.

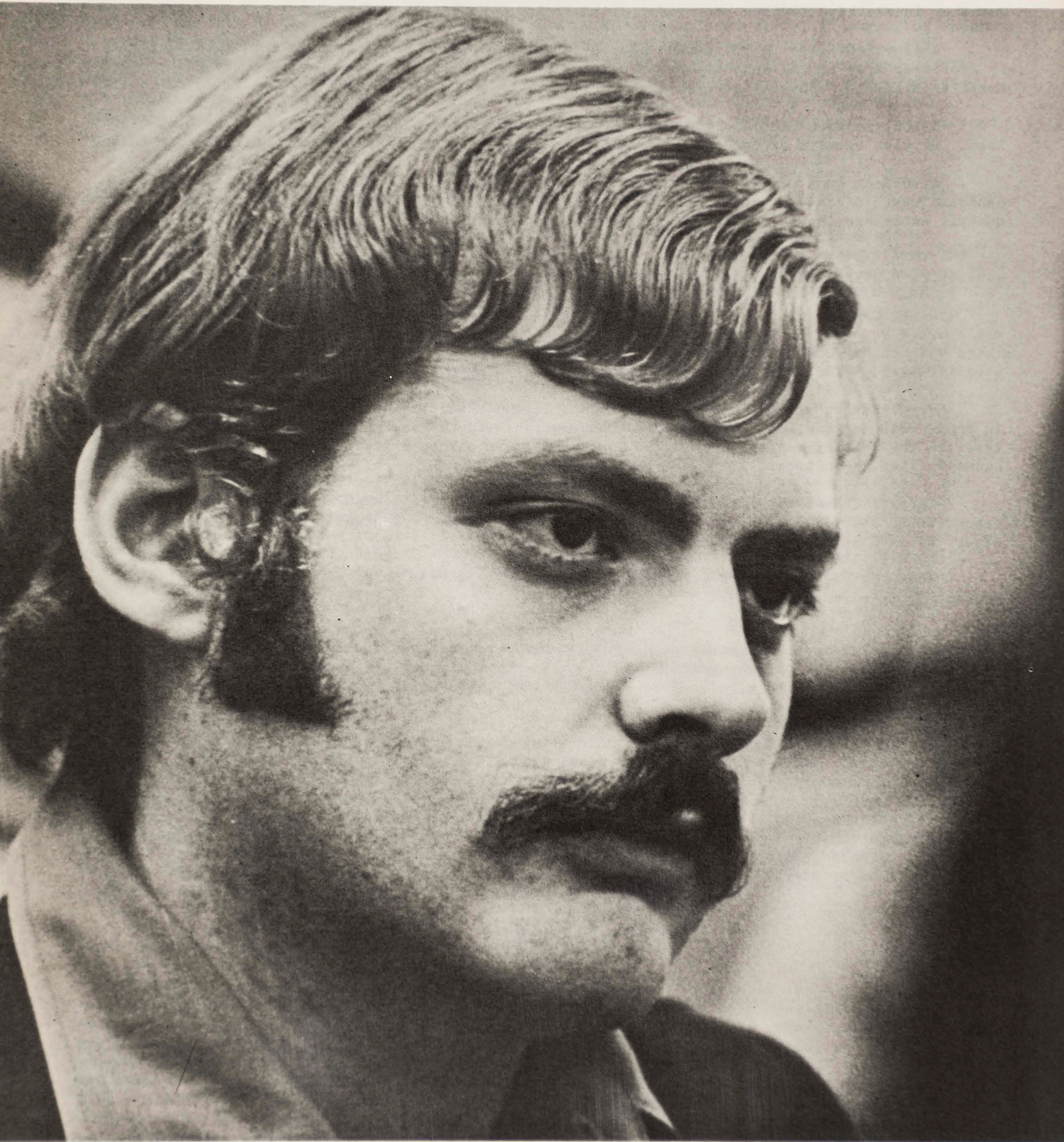
#### MATTERS OF GENERAL INTEREST

Janet Cairns, who graduated this year with a Bachelor of Music in Performance (Piano), was awarded a Canada Council grant for further study in England and Austria. Robert Cooper, third year undergraduate student, was a member of the York University Summer Theatre and took part in seventy-nine performances in the "COMMEDIA '70" project.

Peggy Hills, second year violin student, attended the Tenth International Master Course in Bonn, West Germany, which was held in conjunction with the Beethoven Centenary celebrations. Later in the year, she attended another Master class in Berne, Switzerland, given by the well-known violist, Max Rostal.

Christine Newland, first year undergraduate student, assisted by a Canada Council grant, attended the Rocky Ridge Summer Music School in Colorado, where she was invited to perform the Elgar "Cello Concerto" with orchestra.

In March the celebrated French conductor, Pierre Boulez, gave an informal lecture to students at the faculty.



FACULTY OF SCIENCE

Report of the Dean

PROFESSOR ANDREW E. SCOTT

The year just past has been an active one for the Faculty of Science. In addition to our normal activities we have been planning the next round of our physical expansion. Phase I of our building program draws to a close with the completion of the Engineering and Mathematical Sciences addition to the Engineering Building. Phases II and III are about to begin, adding a further 109,000 assignable square feet to the space holdings of the Faculty. This additional capacity will permit us to increase the size of our library and will provide additional space for our Departments of Chemistry, Plant Sciences and Zoology.

FACULTY DEVELOPMENTS

Two distinguished members of faculty, Dr. Helen I. Battle and Professor G. Harold Reavely, received the honorary degree of Doctor of Laws at Spring Convocation. In aggregate their service at Western exceeds 80 years, and I am pleased to report that both still hold post-retirement positions in the University. Dr. Battle continues on a part-time basis in the Department of Zoology and Dr. Reavely is undertaking a study of radiation sterilization of materials in connection with the new University Hospital.

At Fall Convocation the University honored Sir Harrie S. W. Massey, F.R.S., internationally renowned physicist and former student of Lord Rutherford, one of the architects of modern atomic theory. The degree of D.Sc., honoris causa, was conferred upon Sir Harrie who then delivered the Convocation Address.

Two Department Heads relinquished their administrative responsibilities during the year. Dr. C. J. Hickman of the Department of Plant Sciences and Dr. C. G. Winder of the Department of Geology will return to their Departments on the conclusion of study leave to undertake full-time teaching and research. The Faculty of Science and the University owe a debt of gratitude to these men, not only for guiding their departments through the critical growth phase of the sixties, but also for bringing them to their present states of excellence.

At the close of the year three well-known members of staff retired. They are Mrs. E. J. Liddle, principal secretary in the Department of Plant Sciences, Mr. J. K. Johannesen, Instructor and Curator in the Department of Plant Sciences and Mr. A. R. Golby, Electronics Technician in the Department of Chemistry. All three have rendered outstanding service to the University and I know I speak for all their friends and former colleagues in wishing them many happy years ahead.

The year end also saw the resignation of Dr. B. G. Cumming of the Department of Plant Sciences. Dr. Cumming, who was appointed to the faculty in 1965, has left us to go to the University of New Brunswick as Head of the Biology Department. We wish him every success in this new and challenging venture.

On the credit side we are glad to welcome Dr. Michael Locke, formerly of Case Western Reserve University in Cleveland, who becomes Chairman of our Zoology Department on July 1. Dr. Locke, formerly from England, is a scientist with a well established international reputation. We are indeed fortunate to add him to our number.

The innovative Contemporary Science courses, which have been offered for the past three years, have been joined by two courses presented by the Department of History of Medicine and Science. These courses are designated as Faculty Courses, the latter two being entitled the History of Scientific Thought and the History of Astronomical Thought respectively. All four courses illustrate a broader approach to Science, and this trend continues with establishment of a committee during the year to make recommendations concerning a proposed Liberal Science Program, a type of program which is, in my view, particularly relevant to the needs of today.

A unique and successful venture has been initiated by Mrs. Pat M. Chefurka of the Department of Physics which permits selected Indian High School students to work at the University during the summer. Supported jointly by the Department of Indian Affairs and Northern Development and the University, these students are given employment in the laboratories of a number of departments where they assist scientists with their research programs.

Also from the Department of Physics came the impetus for the formation of an Interdisciplinary Group in Chemical Physics, an interesting proposal in interdisciplinary cooperation.

It is hoped to gain University recognition for the project preparatory to applying to the National Research Council of Canada for a Negotiated Development Grant. The proposal is currently being studied by Senate Committees.

Dr. J. B. Stothers of the Department of Chemistry received the Merck, Sharp Dohme Lecture Award for 1971 from the Chemical Institute of Canada for outstanding contributions in the Field of Organic Chemistry. This marks the fourth time in five years that a member of the Department has received one of the major awards of the Institute. Another member of the Department of Chemistry, Dr. Paul de Mayo, was elected a Fellow of the Royal Society of Canada. Dr. de Mayo was also admitted to the degree D.es Sc. of the University of Paris.

It is a pleasure to report and applaud the outstanding achievements of four gifted students in the Department of Mathematics who won the following major awards. A Rhodes Scholarship (Jonathan M. Borwein), a Woodrow Wilson Fellowship (Robert J. Woodham), a Commonwealth Scholarship (David E. Matthews), and a Governor Generals' Medal (Shelley B. Armstrong).

The Faculty continues its critical evaluation of its programs and course offerings. The highlight is the new Biology program currently in course of preparation. The scale of this program is such that it will include contributions, not only from the Departments of Plant Sciences and Zoology, but also from the Departments of Anatomy, Bacteriology and Immunology, Biochemistry, Biophysics and Physiology. It embodies a 3+1 principle of an integrated pass/honors program, a principle which is also under study not only in our sister Faculties but in other Universities as well. It is my view that there will be an increasing acceptance of this type of program. If finally approved by Senate, the program will be inaugurated in September, 1972.

#### RESEARCH ACTIVITIES

The appendices to this report will give some measure of the scope of the research effort of the Faculty of Science. Another yardstick which gives a good indication of the extent of the research being undertaken is the order of magnitude of the funds granted by the various funding agencies. This year the total expenditure on research in the Faculty was \$2,021,662. This compares with a total University research expenditure of \$6,846,022, or roughly 30%.

The visiting speaker program of the Faculty continues to develop. There are now three named lecture series, The University Biology Colloquium (sponsored jointly with the Faculties of Medicine and Dentistry), the University Lecturer in Chemistry series and the Elizabeth Laird Memorial Lectures. In addition we bring to the University many distinguished scientists for short periods of time. These contacts are of inestimable value to our faculty members and help to maintain a breadth of perspective essential to good research.

The Photochemistry Unit of the Department of Chemistry has now reached its planned establishment. It continues to develop into one of the leading centres of Photochemical research in the World. Much of the credit for this achievement must go to its Director, Dr. Paul de Mayo.

The race track microtron program in the Department of Physics carried on in association with Atomic Energy of Canada Limited is proceeding according to schedule. From this program, in addition to its research productivity, it is hoped to develop a machine which will have applications in therapeutic radiation studies.

The Centre for Radio Science continues to develop under the able leadership of its Director, Dr. P. A. Forsyth. A field station at Delaware provides additional research facilities for this active group.

A symposium of topical interest was organized jointly by the Geology and Geophysics Departments during the year. On the subject of lunar materials, it was attended by five principal investigators for the Apollo Program.

#### CONCLUSION

It is with pleasure that I acknowledge the considerable contributions made by members of faculty and supporting staff to the Faculty of Science and to The University of Western Ontario during the past year. Without their help and cooperation this report could not have been written.

FACULTY OF SOCIAL SCIENCE

Report of the Dean

PROFESSOR GRANT L. REUBER

ENROLMENT

a) Undergraduate: Figures on undergraduate enrolment in Social Science courses are shown in Tables 1 and 3 for 1969/70 and 1970/71. Several features of the figures may be particularly noted:

i) At present, enrolment in Social Science courses accounts for 47 per cent of all course registrants in the Faculties of Arts, Science and Social Science.

ii) From 1969/70 to 1970/71 enrolment in Social Science courses (general and honors) increased 18 per cent. The number of full-time members on the Faculty by contrast increased 12 per cent with the result that there was a deterioration in the student/full-time Faculty ratio.

iii) The growth in course enrolment across the Faculty was uneven. The most rapid increases, apart from Anthropology where courses were offered for the first time in 1970/71, occurred in Secretarial Science and Journalism (44 and 42 per cent, respectively). Above-average increases also occurred for Sociology (24 per cent) and P. & H.E. (20 per cent). Below-average increases occurred for Psychology (17 per cent), Economics (15 per cent) and History (13 per cent). The smallest increase was for Geography (12 per cent); and in Political Science enrolment decreased by 4 per cent.

iv) Some 40 per cent of Social Science course registrants were registered in freshman courses. Beyond freshman courses, 41 per cent were registered in general courses and 18 per cent were registered in honors courses.

TABLE 1

UNDERGRADUATE ENROLMENT IN SOCIAL SCIENCE COURSES, 1969/70, 1970/71

Department		Intramural			Total	Summer School and Extension
		20-Level	General	Honors		
Anthropology	1970	268	-	-	268	187
Economics	1969	1,167	1,177	367	2,711	403
	1970	1,150	1,563	401	3,114	283
Geography	1969	476	431	522	1,429	193
	1970	464	498	638	1,600	320
History	1969	622	736	455	1,813	500
	1970	605	846	594	2,045	587
Journalism	1969	328	-	249	577	125
	1970	463	-	357	820	219
P. & H.E.	1969	331	87	683	1,101	514
	1970	374	78	874	1,326	573
Political Science	1969	602	547	234	1,383	149
	1970	472	623	234	1,329	205
Psychology	1969	2,007	2,207	358	4,572	1,899
	1970	2,184	2,739	430	5,353	2,426
Secretarial Science	1969	149	252	-	401	-
	1970	207	372	-	579	-
Sociology	1969	1,323	1,063	-	2,386	1,130
	1970	1,626	1,324	-	2,950	1,177
Total	1969	7,005	6,500	2,868	16,373	4,913
	1970	7,813	8,043	3,528	19,384	5,977

TABLE 2

GRADUATE ENROLMENT IN SOCIAL SCIENCE, 1969/70, 1970/71

(number of students)

<u>Department</u>	<u>Master's Degree</u>		<u>Doctor of Philosophy</u>		<u>Total</u>	
	<u>1969/70</u>	<u>1970/71</u>	<u>1969/70</u>	<u>1970/71</u>	<u>1969/70</u>	<u>1970/71</u>
Economics	25	28	24	48	49	76
Geography	32	52	14	34	46	86
History	20	38	9	20	29	58
P. & H.E.	24	41	-	-	24	41
Political Science	18	45	6	6	24	51
Psychology	24	48	38	52	62	100
Sociology	16	30	-	-	16	30
<b>Total</b>	<b>159</b>	<b>282</b>	<b>91</b>	<b>160</b>	<b>250</b>	<b>442</b>

TABLE 3

ENROLMENT INCREASES (INTRAMURAL)

	<u>Undergraduate</u>	<u>M.A.</u>	<u>Ph.D.</u>	<u>All Graduate</u>
<u>Department</u>	18.4%	77.4%	75.8%	76.8%
Economics	14.9%			55.1%
Geography	12.0%			87.0%
History	12.8%			100.0%
Journalism	42.1%			-
P. & H.E.	20.4%			70.8%
Political Science	-3.2%			112.5%
Psychology	17.1%			61.3%
Secretarial Science	44.4%			-
Sociology	23.6%			87.5%



v) Enrolment in extramural and extension courses was equal to 31 per cent of enrolment in intramural courses. From 1969/70 to 1970/71 enrolment in extramural and extension courses increased 22 per cent.

b) Graduate: Figures on graduate enrolment by Department are shown in Table 2. These figures indicate that graduate enrolment for Departments included in the Faculty increased 77 per cent from 1969/70 to 1970/71. Enrolment by PhD students increased 76 per cent; enrolment by MA students increased 77 per cent. As in the case of undergraduate enrolment, these increases varied considerably across Departments. The largest increases occurred for Political Science (113 per cent) and History (100 per cent). Above-average increases occurred for Sociology (88 per cent) and Geography (87 per cent). A below-average increase occurred for P.&H.E. (71 per cent). The smallest increases occurred for Psychology (61 per cent) and Economics (55 per cent).

#### CLASS SIZE

Data on the size of classes in Social Science subjects are summarized in Table 4. During 1970/71 the average size of a freshman class in Social Science numbered 100 students; the average size of a general course class above the 20 level was 65 students; the average size of an honors class was 28 students; and the average size of a graduate class was 10 students. Again there was considerable variation across the Faculty, as indicated by Table 4. During the year the Faculty had 37 undergraduate classes with less than 10 students and 49 classes with more than 100 students, 10 of these 49 having more than 200 students. The question of class size has been raised with Department Chairmen who are actively considering the matter and steps have been taken to close down very small classes in order to make more resources available to reduce the size of very large classes.

#### PLANNING AND DEVELOPMENT

During 1969/70 the Faculty undertook a Grand Assize, as described in last year's Report, focussing on a review of current teaching and research activities and the development of plans for the future. Planning for the future, prompted initially by the Grand Assize, accelerated during 1970/71 partly as a result of the work done during the previous year and partly as a result of four additional developments. One such development was the introduction in 1970 of the 15-course BA program. The second was a 25 per cent increase in course registrations which, coming after a series of large annual increases in enrolment, pointed up the need for further adjustments. A third was the external appraisals undertaken or in prospect in a number of Departments. And a fourth element in the picture was the advent of a number of new Chairmen who took the initiative in encouraging changes.

A record number of curriculum changes were introduced within the Faculty during the year, extending to every Department. The general characteristics of these changes were such as to provide closer coordination with the 15-course BA program, to provide greater flexibility within each subject, to enhance Canadian studies, and to permit, through the introduction of half courses, greater opportunity for sampling various facets of a subject by the student. The undergraduate programs in Psychology and History underwent major revisions. More limited but nonetheless quite extensive revisions were also introduced in the undergraduate programs in Economics and Secretarial Science. The freshman course in both Geography and History was modified substantially and Sociology introduced a four-year honors program for the first time. Plans to offer both honors and general courses in Anthropology were further developed and the Senate approved the proposal to establish Anthropology as a separate Department on July 1, 1972.

At the graduate level, the main development was approval by the Provincial authorities of the PhD program in Political Science - a process that had been underway for several years. Planning for a PhD program in Sociology and an MA program in Journalism continued during the year and plans were begun to offer a PhD program in Physical and Health Education. This activity was enhanced by the Senate's decision to approve the establishment of a separate Faculty of Physical and Health Education as recommended by the Senate Committee chaired by Dean Dunn.

Five Faculty Committees were struck in October, 1970, to look into the possibilities for improving teaching and research facilities and arrangements in five areas:

1. Computer Facilities Committee (Professor H. Taylor, Chairman)
2. Survey Research Centre (Professor D. L. Guemple, Chairman)
3. Communications Research Centre (Professor B. D. Singer, Chairman)
4. Mathematical and Quantitative Studies (Professor T. M. Brown, Chairman)
5. Interdisciplinary Studies (Professor D. G. G. Kerr, Chairman).

As a consequence of the work of these Committees a number of steps are being taken to develop new Faculty arrangements in these areas. For instance, following the recommendations

TABLE 4

## CLASS SIZE BY DEPARTMENT AND PROGRAM, 1970-71

	Number of Classes						
	0-10	11-50	51-100	101-150	151-200	201-300	300 <sup>+</sup>
<u>20-Level</u>							
Anthropology			5				
Economics		8	13				
Geography			1	3			
History						1	1
Journalism					4		
P. & H.E.		1		3			
Political Science		8	3				
Psychology			3	12	2		
Secretarial Science		6					
Sociology							4
<b>Total</b>		<b>23</b>	<b>25</b>	<b>18</b>	<b>6</b>	<b>1</b>	<b>5</b>
<u>General Courses</u>							
Economics		10	9	1		2	
Geography		2	5	1			
History	2	12	6	1			
P. & H.E.	1	1	1				
Political Science		11	4				
Psychology	1	3	4	9	2		2
Secretarial Science		9	1				
Sociology	1	4	7				
<b>Total</b>	<b>5</b>	<b>52</b>	<b>47</b>	<b>12</b>	<b>2</b>	<b>2</b>	<b>2</b>
<u>Honors Courses</u>							
Economics	7	9	2				
Geography	7	13	4				
History	10	17	3				
Journalism		8	2				
P. & H.E.	1	10	4	2			
Political Science	7	11					
Psychology	4	8	3				
<b>Total</b>	<b>36</b>	<b>76</b>	<b>18</b>	<b>2</b>			
<u>Graduate Courses</u>							
Economics	10	8					
Geography	21	6					
History	15	2					
P. & H.E.	9	2					
Political Science	14	2					
Psychology	14	6					
Sociology	15	13					
<b>Total</b>	<b>98</b>	<b>39</b>					

of the Computer Facilities Committee, steps are being taken to appoint a full-time Director of the Social Science Computer Services Facility to be established in the new Social Science Centre. A proposal has been submitted to the University Research Council to establish modest arrangements to facilitate survey research at the University. A proposal for eight new courses in the field of mathematics and quantitative studies has been submitted to the Faculty of Science for their approval and a joint ad hoc Implementation Committee has been established. A standing Committee on Interdisciplinary Studies has been established in the Faculty. Due to lack of Faculty support, the Committee on Communications Research recommended that no action be taken in this area at present.

In addition to these Faculty Committees, a joint Committee of the Faculties of Arts and Social Science has been examining the possibility of establishing an inter-Faculty program in linguistics. Their report is expected in the fall of 1971.

In connection with these various activities, the Faculty is indebted to Miss Pat Skene and Miss Deborah McAlpine, members of the staff in the Dean's Office, who contributed greatly to the planning activities of the Faculty by digging out a wide range of new information that previously was unavailable. Both have recently resigned, Miss Skene to take a position with the Treasury Board at Ottawa and Miss McAlpine to be married.

#### STUDENT COUNSELLING

Miss McAlpine was appointed as a full-time student counsellor in the Dean's Office during the year. Some idea of the magnitude of this task may be gained from the following statistic: during the twelve months ending June 30, 1971, Miss McAlpine personally saw over 3,500 students. Both Faculty members and students are greatly indebted to Miss McAlpine - now Mrs. John Rowan-Legg - for the excellent work she did in counselling students.

This service is being continued in 1971/72 by Mrs. A. Jondrow. In addition, thanks largely to the efforts of Assistant Dean D. A. Chambers and Professor T. F. Siess of Psychology, the University received a grant of \$12,000 from the Canadian Counselling Foundation to assist it to establish an embryonic counselling service in conjunction with the Psychology Department. The University has provided some additional support for this development. Establishment of such a service was first proposed to Senate by the Faculty of Social Science in 1969/70.

#### RESEARCH ACTIVITIES AND GRANTS

The wide range of research activities in this Faculty is indicated in Appendices B and C of this report recording the publications and addresses by members of the Faculty. These activities have been reinforced by visitors from many parts of the world, as reported in Appendix E.

Many of the research activities undertaken by Faculty members have been unsupported by grants from outside the University. Some of these activities have been among the most worthwhile from the standpoint of scholarship, as indicated by the scholarly publications emanating from this work.

Research grants awarded by outside agencies to members of this Faculty total \$1.4 million. Such grants may usefully be classified into two categories. First there are large grants relating to a major project undertaken by a group of persons and sometimes extending over several years. During 1970/71 this Faculty has received four such grants for the coming year: a grant from the International Development Research Centre of \$70,000 to Professor G. E. Ebanks and other members of the Sociology Department to investigate factors related to the recent fertility decline in the Barbados; a grant, largely due to the initiative of Professor A. M. J. Hyatt, of \$135,000 by the Department of National Defense to finance a Chair in Military and Strategic Studies over a five-year period; a grant of \$500,000 for two years by the Canadian International Development Agency to the Economics Department to support continuation of its project in Ghana; and a grant of \$40,000 by the Canada Council to Professor T. M. Brown for one year to support him and his group in their Monte Carlo statistical studies. These grants total \$745,000 of which \$390,000 will be available in 1971/72.

In addition to these major new grants, individual Faculty members held many smaller grants awarded by the Canada Council, the National Research Council and other outside agencies. The funds available from such grants in 1970/71 are summarized by Department in Table 5. In total the funds available in 1970/71 from these grants amounted to \$639,746.

A major feature of the research grants received in this Faculty is that a high proportion of the funds made available is spent to support students and to increase the number of Faculty appointments. Only a small proportion is spent on equipment, travel and other non-salary costs. One example of this is the Chair of Military and Strategic Studies which will be filled during the coming year by Professor G. S. Graham of the University of London. Professor Graham will be

TABLE 5

RESEARCH GRANTS BY OUTSIDE AGENCIES

A. <u>Major New Grants</u>	<u>Amount</u>	<u>(Period)</u>
Canada Council - T. M. Brown	\$ 40,000	(1971-72)
Canadian International Development Agency - G. L. Reuber	500,000	(1971-73)
Department of National Defense - Chair in Military and Strategic Studies	135,000	(1971-76)
International Development Research Centre - G. E. Ebanks	70,000	(1971-72)
Total	<u>\$745,000</u>	
B. <u>Other Grants, Amounts Available, 1970-71</u>		
1. By Department	<u>Number</u>	<u>Amount</u>
Economics	10	\$ 48,715
Geography	24	47,927
History	10	25,464
P. & H.E.	5	35,750
Political Science	5	25,227
Psychology	37	351,533
Sociology	22	105,130
Total	<u>113</u>	<u>\$639,746</u>
2. By Granting Agency		
Canada Centre for Inland Water	1	\$ 11,333
Canada Council	44	186,037
Centre for Settlement Studies, University of Manitoba	1	5,400
Defense Research Board	1	3,348
Department of Communications	1	7,664
Department of Energy, Mines & Resources	9	7,234
Department of Fisheries & Forestry	2	10,800
Department of National Health & Welfare	2	14,320
Department of University Affairs	8	13,878
Fitness and Amateur Sport	1	14,000
London Free Press	1	3,000
Medical Research Council	2	4,829
National Institute of Mental Health (U.S.)	1	40,000
National Research Council	22	157,142
National Science Foundation (U.S.)	1	88,800
Ontario Heart Foundation	1	10,500
Ontario Mental Health Foundation	5	52,056
Victoria Hospital School of Nursing	1	2,250
Others	9	7,156
Total	<u>113</u>	<u>\$639,746</u>

a full-time member of the Faculty carrying a full load of teaching and other Faculty responsibilities. A similar example is provided by the Killam grant awarded to Professor J. R. Melvin in the Economics Department.

Leave Fellowships were awarded by the Canada Council and the Killam Foundation to W. F. Dawson, R. A. Melvin, L. Parai and I. K. Steele to support their studies during their leaves in 1970/71.

During 1970/71 several Departments in the Faculty organized special conferences which were held at this University and were attended by persons from outside the University as well as from within:

- Economics: - Seminar on the prospects for forest-related industries in Ghana (sponsored by the Canadian International Development Agency), August, 1970.
- Geography: - Conference on the Geography of the Future, October, 1970.  
- Symposium for high school teachers of the environment, December, 1970.  
- Conference of the Huron and Erie Geography Teachers Association, February, 1971.
- History: - Annual Conference for teachers of history in Ontario, February, 1971.
- Political Science: - Symposium on Sierra Leone (sponsored by the Canadian International Development Agency and the Canada Council), May, 1971.  
- Symposium on Municipal finance and the reform of local government, October, 1970.
- Psychology: - Symposium on undergraduate teaching, February, 1971.

#### PHYSICAL FACILITIES

Construction of the new Social Science Centre began in the fall of 1970 and it is hoped that the building will be ready for occupancy by September, 1972. As mentioned in last year's Report, not only does the completion of this building offer the prospect of relief from an acute shortage of space but also it promises to bring all Social Science Departments, excepting Secretarial Science, together under one roof for the first time in the history of the University.

In the interim, before completion of the Centre, the Faculty has suffered not only from inadequate space but also from the inconvenience of having to move frequently from one location to another in order to gain some additional space. In addition, several Departments now find themselves physically sub-divided which seriously impairs their activities. Journalism last year moved from University College to Talbot College. Sociology this year is moving to the new Music building for one year. Psychology is located in four locations. Economics is sub-divided into three locations. Geography and Physical and Health Education are functioning from two locations. This situation has not only been a major inconvenience but also has exacted a significant cost in terms of the effective work of the Faculty. The move into the new building cannot come too soon.

#### FACULTY CHANGES

Faculty changes are reported in detail in Appendix A. Professor Elaine Chapman was appointed Chairman of the Department of Secretarial Science, succeeding the late Professor M. Gillespie. Three Chairmen completed their term of office on June 30, 1971: Professor W. J. L'Heureux, Physical and Health Education; Professor E. T. Pryor, Sociology; and Professor V. W. Sim, Geography. Professor L'Heureux has agreed to continue as Acting Chairman of Physical and Health Education until April 30, 1972, when it is hoped that the reorganization referred to earlier will be completed. Professor Pryor has agreed to continue as Acting Chairman until the new year when Professor J. H. Kunkel, last year a member of Centre for Advanced Study in the Behavioral Sciences at Stanford, California, and at present on the Faculty of Arizona State University, will assume the position of Chairman of Sociology. Professor William Warntz, formerly a Professor at Harvard University, assumed the responsibilities of Chairman of the Geography Department on July 1, 1971. The business of the Appointments Committees charged with the appointment of new Chairmen in these Departments was greatly facilitated by the efficient work of the secretaries of these Committees: Mr. S. Hill (Physical and Health Education); Professor J. C. Day (Geography); Professor T. R. Balakrishnan (Sociology) and Mrs. B. Seldon (Secretarial Science).

In addition to these changes, Professor J. R. Lander was named to the J. B. Smallman Chair of History, succeeding Professor W. Ferguson who retired last year.

Although many members of this Faculty have received special honors during the past year, I wish particularly to mention Professor E. G. Pleva, Department of Geography, who was awarded an honorary LLD during the past year by Waterloo Lutheran University in recognition of his outstanding contributions to Geography. Finally I wish to pay a special tribute to Professors G. H. Turner and M. J. Wright, who in 1971 completed twenty-five years of distinguished service to this University.



BRESCIA COLLEGE

## Report of the Dean

SISTER ARLEENE WALKER

While apparently an increasing number of women students are opting for coeducation, there are still many who prefer to study at a women's college where there are special opportunities to develop leadership potential for their later participation in a man's world. Decrease in number of students has not, however, meant a decrease in quality. The number of Ontario scholars registering, and the number of undergraduates and graduates on the Dean's Honors List remains at a satisfying level of achievement. Nor has undergraduate zeal for the University's intramural athletic program diminished; for the fourth time our students have brought the Lang trophy triumphantly to Brescia.

At the same time enrolment in Home Economics has maintained its upward course; a record 205 students were registered in the three years of the program, and the number of faculty increased proportionately. It is of interest to note that beginning in the fall of 1970, those Home Economics students who prefer to register on the main campus seem to have found a congenial "home" in the Faculty of Science.

Since Brescia College has for some time had insufficient residence space to accommodate all those wishing this experience, a start was made in April, 1971, on a small residential unit extending in a westerly direction at the north end of the present Residence Building. This new unit will also provide additional Home Economics laboratories for Textile and Food Sciences-- facilities needed in view of the increased enrolment in this department, and a proposed expansion of the present three-year program to include a fourth year of specialization.

On May 27 our former Dean, Mother Dominica, was awarded an honorary Doctor of Laws degree (LLD) by the University. The President's citation kindly referred to the contributions made by Mother Dominica and by Brescia College to the University, as well as those of the Ursuline Order as a whole to education in Canada. We are indeed happy if we have been able to contribute in some small way to the development of the great academic community at Western, and we wish to express our appreciation at this time both for the friendly cooperation that has made this contribution possible, and for the honor conferred on Mother Dominica.

The Brescia Lecture League presented the following speakers in its annual series: Mrs. G. Grant, Rev. L. G. Cracknell, Prof. H. Krever, Dr. M. McKim and Dr. J. H. Walters in a panel on Abortion; Rev. J. M. Williams on "Revolution in Religion"; and Archdeacon K. Bolton, M.P.P., on "Poverty in Canada".





HURON COLLEGE

## Report of the Principal

THE VENERABLE J. GRANT MORDEN

On October 2, 1970, the Rt. Rev. G. N. Luxton, sixth Bishop of Huron, died. For the twenty-two years of his Episcopate, Bishop Luxton served the Corporation of Huron College. During the last six years he served as Chairman of the Corporation. With his death Huron lost a friend as well as a Chairman of Corporation. However, the College rejoiced in the election of the Rt. Rev. Carman J. Queen as the seventh Bishop of Huron and as the Chairman of the Corporation of Huron College. For the first time a graduate in Arts from The University of Western Ontario and a graduate in Theology from Huron College became the Chairman of the Corporation and the Bishop of the Diocese of Huron. The Huron College community wish him a long and richly blessed episcopal ministry and an equally long and happy term as Chairman of our College Corporation.

The Faculty of Arts, under the leadership of Dean F. W. Burd, has during the course of the year outlined a five-year plan of development. The aim is to make Huron into an even better liberal Arts College - to enhance its standards and reputation. The proposal calls for an increase in enrolment to approximately 600 students and at the same time to maintain the present faculty-student ratio to ensure the proper student-teacher fellowship and communication. The emphasis will remain on English, History and Philosophy with strong supporting departments in French, Psychology and Religious Studies. Other disciplines such as Economics, Political Science, Mathematics, etc., will be taught but with a continuing heavy reliance on the wider resources offered at the Constituent University which are open to all Huron students.

On November 25, 1970, the Rt. Rev. Stephen Bayne Jr., STD, DD, LLD, DLitt, LHD, delivered the first Robinson T. Orr Public Lecture on "History and Hope".

At the 107th Founders' Day celebrations Dr. G. F. Kingsmill, LLD, MBE, was made a lifetime Honorary Member of the Huron College Corporation. Dr. Kingsmill joined the Council of Huron College on St. Patrick's Day in 1944. Under the Act of 1958 he became the first Chairman of the new Huron College Corporation.

At the annual Spring Theological Convocation the Rt. Rev. W. R. Coleman, Professor of Humanities at York University, delivered the Convocation address on the subject "Repentance as Imagination". Dr. Coleman was the Principal of Huron College from 1952 to the end of 1960. He was largely responsible for the re-establishment of the Faculty of Arts at Huron College.

The annual Arts Conference of Huron College was privileged to play host to Dr. Milton Rokeach, Visiting Professor of Psychology at The University of Western Ontario who spoke on "The Value Patterns of Academic and Non Academic Communities".

On May 25 and 26 Huron College welcomed Dr. Wilson A. Head, MSW, PhD, Professor of Sociology at York University and former director of Planning and Research with the Social Planning Council of Metropolitan Toronto to the College to address the Theological Alumni on the subject "Our Contemporary Society, Its Problems, and How We Can Understand These Problems in Light of Contemporary Ministry".

During the month of June Huron College welcomed Dr. Norman D. Hope of Princeton Theological Seminary who gave a three-week seminar on "20th Century Mission of the Church in the Light of History"; and Dr. Donald Peel who delivered a three-week seminar on "Mobilization for Mission". The Summer Seminar which is an ecumenical venture was held under the directorship of the Rev. Dr. G. H. Parke-Taylor, Dean of Theology, Huron College.

At the close of this academic year, Huron College said goodbye to two outstanding teachers and scholars. Both Dr. Eleanor Jared, the first full lay professor in the Faculty of Arts of Huron College and the first Chairman of the English Department, and Dr. Mark Inman, who had been serving part-time in the Department of Economics of Huron College since his retirement as the Vice-President (Academic) of The University of Western Ontario, retired at the close of the academic year. The whole of the Huron College community is deeply grateful to these two great scholars for their outstanding leadership and teaching.

STATISTICS

## Registration of Students in the Faculty of Arts

First Year	220
Second Year	158
Third Year	140
Fourth Year	<u>6</u>
	524
Special and Part-time	<u>10</u>
	<u>534</u>

In conclusion, may I again express through this President's Report the appreciation of all of us at Huron College for our happy association with The University of Western Ontario. The privilege of affiliation makes our work possible. The cooperation and cordiality of the officers of the University, of the President, the Senate, the Board of Governors, as well as the Deans of the Faculties and of all those who serve under them, makes our affiliation not only a happy and workable system but a joy and a privilege. Huron will continue to strive for that degree of excellence that will reflect credit to the wider University community.



KING'S COLLEGE

## Report of the Principal

DR. A. F. McKEE

The academic year 1970-71 was once more a year of important expansion at King's College. The student body grew by some 40 per cent, nine new faculty were hired in preparation for the following year, a new administration wing was built, and a number of improvements in facilities went forward. The new library was completed early in the year and acquisitions of new book, periodical and other holdings proceeded rapidly. Library, administration and general staff were expanded in keeping with rising student numbers.

The end of the year saw the departure of the College's third Principal, Dr. Owen Carrigan, who was appointed President of Saint Mary's University in Halifax. The rapid growth of King's College in his period of office from 1968-71, in terms of students, facilities, and faculty numbers and quality, is tangible evidence of and a tribute to his leadership. The new Principal, Dr. A. F. McKee, formerly of Laurentian University of Sudbury and the Prices and Incomes Commission (Ottawa), was appointed to succeed him as from July 1.

Mr. John J. Cronin retired as Chairman of the Board of Directors and was succeeded for the coming academic year by Mr. W. Chizmar.

The Psychology program at the College continued to attract most student interest and strengthened its emphasis on humanistic studies. In other subject areas also, the College fostered the approach of offering distinctive, complementary studies.

The Social Welfare Department made important progress during the year and student interest in its offerings was high. Senate approved the third and final years of the program, and four new staff members (including a Director) were appointed to complete staff requirements. A decision was taken to limit student intake into the program proper to fifty, since the College must bear in mind both its limited resources and the prospective employment situation for graduates.

The most interesting development in student life was the setting up of a Legislative Assembly, composed of twelve representatives from the student body, faculty and administration. It is intended to regulate the conduct of members of the King's community while on College premises, and is empowered to frame rules within the policy limits reserved to the College's Board of Directors. A Judicial Committee was constituted to deal with serious infractions.

Pressure on space allocations to students and staff became acute at the beginning of the year with the rise in the numbers of both, yet the wisdom of contemplating additions to buildings remains debatable in view of the position taken by the Government of Ontario towards private university colleges. Further, in a period when inflation continues at a fast pace, it becomes dramatically clear that institutions receiving restricted support from taxation resources have a most difficult task in matching resources with mounting costs.

King's College will take its case persistently to the relevant authorities, to point out that its supporting role is a valuable complement to the much larger one of the main university, of which it is well content to be a small part, through its offering courses and sponsoring studies in fields of enquiry steadily growing in social estimation. This complementary role merits essential financial underpinning.



UNIVERSITY LIBRARY SYSTEM

Report of the University Librarian

PROFESSOR R. E. LEE

The emphasis during 1970-71 has been on enquiry and planning, with the intent of building upon the achievements of the past. In retrospect it would appear that the previous phase in the development of the University Libraries emphasized, and was successful in, increasing the library staff, organizing campus libraries and acquiring materials as rapidly as possible to enable the University to engage in graduate instruction and research. The self-study activities that were undertaken during the past year were directed toward the next phase of development. We were not concerned with "change" as a desirable goal in itself but with creating an expanding rationale for the future growth of the Library System.

The University is in an era of expanding enrolment, research activity and widening curriculum demands, all of which call for dynamic response from the human and material resources of the Library System. The assumption underlying the self-study, therefore, was that the University Library is an integral part of the University structure and has inherent responsibilities that it must fulfill if it is to be permitted to function along with the academic community at large.

The thrust of our enquiry has been directed toward the following concerns: the necessity for reliable information concerning the needs of library users; the mission of the Library System; the means required to maximize benefits to library users and to minimize library costs; the quality of the library collections; the improvement of library services; the need for a lending code that is fair to all users; the development of adequate personnel policies for the library staff; and the formulation of a five year plan for the provision of space for library users, housing and storage for collections, and working space for staff.

DIRECTIONS

As the self-study progressed there was an indication that the activities of the next phase of the University Library System's development would center around the refinement of collection building and the creation of a wider response to service demands. To this end, with the participation of the Library Staff, the various Library Committees and the University Library Council, a statement of Objectives was formulated. This statement, which provides a basis for planning and program improvement, describes a commitment to specific and meaningful goals with an indication as to priorities.

Next, there was a concern with an adaptive library organization to accomplish the Objectives. As the volume and complexity of the operations of the Library System continue to increase, it has become essential to further delegate responsibility for various aspects of its work. The Library System was, therefore, reorganized into five divisions: Collections Development, Technical Services, Public Services: Divisional/Professional Libraries, Public Services: General Library, and Administrative Services. The aim was to create a flexible structure which would encourage the full utilization of individual abilities. It is recognized, however, that reorganization is, and must be, an on-going process, rather than a once-in-a-decade affair.

Various means have been used to increase staff communications and to include as many members of the staff as possible in decision-making. Information Sheets, meetings of Department Heads, Staff Committees, meetings with the total professional staff and meetings with the total support staff are the primary means that have been used to keep the staff involved and informed of library progress, problems and plans. There is still a need for further development and improvement in communications. The increasing size of the staff makes it more difficult to ensure that all staff are informed of policy decisions and changes in procedures in various units of the Library System.

COLLECTION DEVELOPMENT

The collection as of June 30, 1971, totalled 1,816,350 items organized and available for use. This total is composed of 873,645 volumes of monographs and bound periodicals, 10,988 current periodical subscriptions, 184,440 documents, 2,004 cataloged thesis titles, and a further 745,273 items including microforms, tapes, recordings and other special material. Every major academic field benefitted from substantial purchases of basic journals, major reference works and standard titles. Gifts of materials in various amounts came from many friends. Although it is not possible to list the many contributions here, their gifts are personally acknowledged by the Library and they increase both the quantity and quality of the University's library resources.

The plan for the establishment of a Division of Collections Development was created during the year under review and steps were taken in May to appoint, from among members of the existing staff, a Collections Analyst, a Collections Appraiser, and a Coordinator of Subject Specialists. The functions of this Division are to implement a program for the systematic development of library resources on a university-wide basis, with emphasis on working with the various faculties and members of the library staff in--

identifying library materials needed to support the University's instructional and research programs,

evaluating the quality of the existing library collections, determining the gap between what is needed and what is available, and

developing a program of selective acquisitions to ensure the effective expenditure of book funds.

The implementation and realization of a collections development program is a long-range undertaking. Collections are not built by slide-rule; time is required to add substantial quality to a comprehensive library collection.

Other factors related to the collections development program are: an effective approach to current selection and the sharing of resources among academic libraries. In selection, a distinction is being made between current publications and older materials as well as out-of-print materials. In an attempt to cover adequately the current publishing output, study and consideration have been given to an on-approval purchasing plan which will permit "book-in-hand" selection. The Library System will build its collections to meet current needs and work with other University Libraries in the Province in the cooperative development of interlocking research collections in a wide range of subject fields.

In addition to building print resources, any library which claims to serve the needs of its users must make further attempts to understand and come to terms with information which comes in many forms other than the printed word. Since so much of this information is of a sensory nature, we must apply new approaches and establish new priorities regarding their implications for library service.

The University's academic strength depends upon a library collection adequate to support the instructional and research programs. However, as a young research institution our total library holdings, although growing at a tremendous rate, are still not adequate. Thus, if the University's aspiration to highest academic quality is to be supported by an appropriate level of materials, the UWO Library System will require an increased book budget, larger than that available to older libraries which have greater holdings and have had adequate time to ensure the building of quality collections. This recommendation is made with full recognition that the Library System has been well supported in the past by the University. However, our collection building efforts must be increased to keep up with demands created by the expansion of knowledge and the widening scope of the University's programs.

#### ORGANIZATION OF MATERIALS

The Technical Services Division made numerous internal changes during the year in order to streamline operations, increase productive capacity and to reduce costs.

A major advance in the organization of government documents was made through a cooperative agreement with the University of Guelph. The conversion of the documents collection to the Guelph classification scheme was begun in May. This will result in effective organization of the collection and make available a union list of the documents available in the UWO Libraries.

Other attempts in making materials more accessible include: the plan for reclassifying the collection of the Law Library; the development of a new approach in arranging theses and technical reports in the Engineering Library; the preparation of a brief listing by computer printout of the Rare Books Collection in the General Library; and the organization of the Regional History and County Records Collections in the General Library.

#### COOPERATION

The Libraries are actively interested in the development of cooperative arrangements among libraries at the provincial and national levels. During the year, the University of Guelph/University of Western Ontario Cooperative Development of the Guelph Documentation System for the two libraries and the Development of the Use of the Library of Congress Machine Readable Cataloging

Tapes agreement was developed and accepted by the two Universities. Also during the year, Mr. Ralph Stierwalt served on the National Library of Canada's MARC (Machine Readable Cataloging) Task Group which is investigating various available MARC formats in order to be able to recommend to the National Librarian which one or combination of the existing MARC format(s) should be adopted and/or adapted to meet Canada's requirements for a MARC format. He also served on the Ontario Council of University Libraries (OCUL) Standing Committee for Cooperation in the Acquisition of Materials to support African studies. Mr. Stierwalt participated in creating an informally organized group of technical services librarians called the Ontario Universities Technical Services Group for the purpose of improving communications, sharing knowledge and experience of technical services systems, investigating new systems, and conducting surveys when necessary among the fourteen university libraries for the purpose of being able to advise OCUL regarding technical services matters, and create better cooperation among the libraries.

#### SERVICE TO USERS

The circulation statistics for 1970-71 were 500,011, an increase of 63,126 over the previous year. Based on a study of circulation in 28 academic libraries in universities of comparable size, library usage at UWO is above average, and this is especially significant considering that students have had to contend with crowded and inadequate facilities in the General Library.

It has been clear for some time that library fines have not accomplished their main purpose: the return of books on time. A new Lending Code for the General Library was developed and established as policy by the University Senate on May 25, 1971. Also, the librarians in charge of the seven Divisional/Professional Libraries are revising their lending policies. The staff hopes that the new approach to lending materials will partially remedy an increasingly frustrating situation for both user and librarian, though they recognize that the problem will need continual review.

The Interlibrary Loan transactions for 1970-71 are listed below. The figures for the General Library include all Divisional/Professional Libraries except Health Sciences.

		<u>General Library</u>	<u>Health Sciences</u>	<u>Total</u>
Outgoing:	Books	3,371	349	3,720
	Photocopies	<u>4,325</u>	<u>1,768</u>	<u>6,093</u>
		7,696	2,117	9,813
Incoming:	Books	2,170	280	2,450
	Photocopies	<u>3,053</u>	<u>674</u>	<u>3,727</u>
		5,223	954	6,177

The UWO Libraries participated in an experiment, conducted by the Ontario Council of University Libraries, in which interlibrary loan privileges were extended to undergraduates between January and April, 1971. Data concerning the experiment will be reviewed and a decision will be made as to whether resources of the Ontario Universities Library System will be made available to all undergraduates in the Province during the next year.

Various means have been used by the staff of the UWO Libraries to improve service to users--

Reference service was established in the General Library and was substantially improved in all of the Divisional/Professional Libraries,

An automated circulation system in the Natural Sciences Library became operational in October, 1970. User reaction has been predominantly favorable,

The interpretation of the library to users through such means as tours, handbooks, signs, and class visitation are a further development of the UWO Libraries,

Hours of opening were extended by the General Library and the Music Library,

The Regional History and County Records collections were made accessible to undergraduates and steps were taken to publicize the use of the collections,

A Bibliographic Centre is being set up to bring together periodical indexes, abstracting services and subject bibliographies in the Business Library. Financial and company information is being assembled in order to organize a Business Information Centre,

Provision is being made for library materials to be more accessible to extension students,

Reciprocal borrowing privileges were established between the Althouse Library and the London Teachers' College Library, and

The cost of photocopying for users was reduced in the Spring from 10 cents to 5 cents per page.

#### ADMINISTRATIVE SERVICES

The Systems Department has been concerned during the past year with a review of its role and function as well as emphasis on three major projects. First, work began on a complete redesign of the present computer-based book ordering system in order to make it more responsive to the needs of the Library System. Second, an automated circulation control system for the Natural Sciences Library was put into operation in October, 1970. Utilizing the experience gained from this experimental system, a modified system will be installed for the Reserve/Heavy Demand collection in the new D. B. Weldon Library. Third, discussions during the year led to a cooperative agreement in June, 1971, between the University of Guelph and The University of Western Ontario for an experiment in systems development. Western's libraries are gaining access to a computer-maintained documentation system developed at Guelph, and in return are to provide access to Western's MARC II (Machine Readable Cataloging) tapes.

In collaboration with the University Personnel Office, a Library Personnel Officer was appointed in January, 1971. His functions are to assist in recruiting and interviewing support staff, preparing job descriptions, developing personnel procedures, orienting new staff, and maintaining personnel records.

The Accounting Office, under the guidance of a new Accountant, has developed improved procedures for financial control and for purchase of library materials other than books and periodicals.

#### LIBRARY STAFF

The academic structure of the University has evolved a highly decentralized library system consisting of seven Divisional/Professional Libraries and three Reading Rooms which are physically separated from one another and the General Library. This type of decentralized library system requires an experienced and first-rate staff. To create an adaptive library organization response to the University's needs, attention has been focused on the development of the Library's human resources. A study of our organizational structure suggested a number of reassignments of individuals in order to benefit from their unique skills and to improve the quality of library service. Reassignment of individuals to positions of major responsibility were as follows:

Mr. John Macpherson	Assistant Director of Libraries: Divisional/Professional Libraries
Dr. Martha Bishop	Coordinator of Subject Specialists
Miss Jean Elson	Coordinator of Technical Services/ General Library
Mr. Jim Ford	Head, Bibliographical Checking/ Cataloging Preparation Unit
Mr. John Gishler	Head, Business Library
Mrs. Lucy Greene	Head, Serials/Periodicals
Mr. John Hoover	Collections Analyst
Mr. Clarke Leverette	Collections Appraiser
Mr. Edward Phelps	Head, Regional History and County Records
Mrs. Valerie Rudkin	Interim Reference Coordinator for the General Library (elected by the Reference staff)



New appointments of individuals to positions of major responsibility were:

Mr. Ralph Stierwalt	Assistant Director of Libraries: Technical Services (August 1, 1970)
Mr. Harvey Gilmour	Accountant (August 4, 1970)
Mr. Robert Morton	Systems Librarian (July 1, 1970)
Mr. Robert Totten	Personnel Officer (January 4, 1971)

Staff development activities during the year included small group sessions to identify communication problems, Supervisory Training Institutes for support staff supervisors, and attendance by various members of the staff at workshops and conferences related to their area of specialization. Steps have also been taken to improve working relationships within the Library, but much more needs to be done in order to create an open, problem-solving climate throughout the Library System, to supplement the authority associated with role or status with the authority of knowledge and expertise, to locate decision-making and problem-solving responsibilities as close to the information sources as possible, and to increase self-direction for the members of the staff.

During the past three years there has been a rapid growth in the complexity of the Library's operations and a corresponding increase in the size of the staff. This has created a growing concern on the part of staff members to clarify their relative position in the library organization. This concern emphasized the need for a personnel classification program that is satisfying and equitable to all, and a salary program that is competitive.

The Committee on Professional Classifications of the Librarians' Association began a study of these problems early in 1970 which continued during the year under review. With the report of this Committee as a base, and with the assistance of two consultants, it was possible to move toward the first phase in the classification of professional positions and to put into effect a more commensurate salary scale.

Mr. Robert Totten, Library Personnel Officer, was appointed in January, 1971, to work with the support staff of the Library and to serve as liaison with the University Personnel Office. Under the leadership of Mr. Totten, considerable progress has been made in establishing personnel procedures for the support staff. Working with a Staff Advisory Committee, Mr. Totten obtained comparable salary data for support staff in other academic, public and industrial libraries in the Province and the members of the Committee developed a position classification plan. Although it was hoped that it would be possible during the first half of 1971 to realign the classification and salary program for the support staff, we found that more work and time were required to ensure agreement on job descriptions and to properly classify positions. Our optimism exceeded the reality of the complexities involved. However, work is being continued in order to clarify the career concerns of the support staff, and this will be one of the major priorities in the months ahead.

Classification of positions for both the professional and the support staff, however, must not be allowed to remain static but must be considered as a continuous process subject to the changing requirements of the Library System. And, within the limits of the Library's budget, every effort will be made to attract and hold highly qualified and experienced staff.

The Libraries' attempt to provide effective service is carried forward by a highly conscientious and ambitious staff that, despite the overall lack of extensive experience, manages to advance momentum and to suggest ways for the improvement of service. The University Librarian, therefore, expresses his admiration for the success of the staff's effort and commends the Library staff to the faculty and the University administration. He is acutely aware that, although some initial steps have been taken to strengthen the staff, much remains to be done--a fact of life that he brings to the attention of the University community.

#### LIBRARY FACILITIES

Significant improvements in physical facilities included new library quarters as well as hope for the future in providing additional library space. The Music Library moved in October, 1970, into attractive, temporary quarters; the new Engineering Library is near completion and the staff plans to move the Library in September, 1971; a new addition to the Natural Sciences Library, which will provide space urgently needed for users, staff and materials, was reviewed and approved in June, 1971; and work continued on the construction of The D. B. Weldon Library.

The physical needs of the Library System are generally well known. The General Library (Lawson) is over-crowded in every respect--seating, shelving, and staff work space. Throughout the year it was necessary to remove the less-frequently used materials from Lawson and store them in various parts of the campus in order to make room for new materials. Temporary working space was made available in November, 1970, in the UC Portable for the Accounting, Systems, and Personnel Office staff from Lawson. For the students and faculty who used the Lawson Library under crowded conditions during the past year, perhaps they can take some comfort from the construction of the new D. B. Weldon Library and the brighter prospect for the future. The completion of The D. B. Weldon Library is a "consumation devoutly to be wished."

The most obvious lack of space among the Divisional/Professional Libraries is in the Althouse College of Education Library. Steps have been taken to identify little-used and duplicate materials and to undertake a systematic "weeding" of the collection.

To adequately house our growing collections and their users, who last year withdrew over half a million books and other materials from the UWO Library System, requires a forward looking plan in providing space for users, housing and storage for collections, and working space for staff. A request, based on an appraisal of the Library's space needs through 1975, was submitted to the Senate Committee on University Development. The request outlined the need for a compact storage area to house the less frequently used materials from the General Library and the Divisional/Professional Libraries. In considering the growth rate of acquisitions and the space problems of the Libraries, I am inclined to hold to the theory, suggested by Keyes D. Metcalf, that an exponential rate of growth continues only during what might be called the childhood and adolescence of a library; and that when it becomes mature, the rate of growth changes from a compound to a simple progression.

#### FUTURE DIRECTIONS

This year of enquiry and planning has put into perspective the major tasks for 1971-72: collection development, further improvement in staff communications, a library personnel program that is internally consistent in respect to classification and externally competitive in respect to salaries, improvement of services to users, and adequate space in which to provide library services.

The work of the past year has progressed with the guidance, support and encouragement of various individuals: the members of the Library Staff, the various Library Committees, the University Library Council, the Vice-President (Academic), and the Finance Committee of the University Senate. Special recognition is due to the Assistant Directors, Mr. John Macpherson and Mr. Ralph Stierwalt, who have provided leadership and demonstrated high tolerance for ambiguity during this year of transition. In addition, the members of the University Library Council have assisted immeasurably in interpreting the needs of users to the library administration as well as in interpreting library policy to the University Community.

At the end of my first year, I wish to acknowledge the assistance of many people who made 1970-71 a successful year. Our friends have been as many as our problems. When I came to The University of Western Ontario, I recognized genuine interest on the part of the Faculty, Library Staff, the University Administration, and the University Library Council in developing a superior Library System. During the past twelve months this original observation has been confirmed many times.

THE SUMMER SCHOOL AND EXTENSION DEPARTMENT

Report of the Director

MISS ANGELA M. ARMITT

The Department has continued to expand both the credit and non-credit continuing education programs in London and in many Western Ontario centres included in the outreach of the University. A growing number of departments and faculties have become interested in offering short courses, seminars and workshops on many questions of interest to the community.

There has been an increase in the time spent by the Department staff talking to students, consulting with departments and with non-university organizations and individuals requesting courses that they feel are of interest or a very real need. The Summer School and Extension Division, by the very nature of its role, makes many demands on both academic and administrative departments. Their wholehearted response has been greatly appreciated and is acknowledged with thanks.

The Director has been asked, as a community service, to speak to many professional and service organizations, at commencements, Grade VIII graduations, and other educational and community gatherings. Approximately sixty requests were accepted during the year.

The report which follows provides information concerning the activities and programs of the Department.

SUMMER SCHOOL

One hundred and thirty-one classes were offered at Summer School in 1970, with 3,337 students registering for 4,647 courses. Evening and Day Summer Schools on campus made up the largest segments, but the Owen Sound Summer School has grown very rapidly. A start was made also on Fine Art and Music courses at Stratford. Most faculty were recruited from our own staff. A few departments took the opportunity to invite professors from Ontario, Overseas, or the United States.

Evening Summer School

In 1970, Evening Summer School classes commenced on May 4 and were scheduled two nights per week at 5:15 p.m. and 7:30 p.m. In the nineteen classes, 842 students registered for 888 courses.

In 1971, Evening Summer School commenced on May 5. Over 1,500 course registrations were received for the twenty-eight classes, marking a substantial increase over the previous year. About 300 students took two courses at Evening Summer School.

Day Summer School

Day Summer School was held from June 29 to August 13, with examinations being written August 8-13. Ninety-nine classes were offered with 2,411 students registering for 3,465 courses. Many students welcomed the earlier starting date, made possible only by elementary schools closing on the previous Friday.

Honors level courses were offered in Applied Mathematics, Chemistry, English, Fine Art, French, Geography, History, Latin, Mathematics, Physical and Health Education, Physics, Politics and Zoology.

Cultural, athletic and social activities were again organized and presented by the Summer School Students' Association. An excellent weekly film program was completely subscribed. Mr. R. Zeisner of the Athletic Department presented an excellent sports program closely coordinated with other student activities. The Talbot Theatre Centre presented a summer repertory of theatre on campus from July 1 to August 7 with five presentations.

Owen Sound Summer School

Eleven classes were offered on the Owen Sound Campus at West Hill Secondary School from June 29 to August 13, 1970. One hundred and ninety students enrolled in 269 courses. As in

previous years the Grey County Board of Education provided the facilities of the West Hill Secondary School at no cost to the University. The Principal and staff members at West Hill have been most cooperative.

### Stratford Summer School

As a result of discussions with Stratford Festival officials and a committee from the University, it was decided to offer Fine Art 20 and Music 20Y at Stratford Teachers' College. Sixteen registered for Fine Art 20 and nine for Music 20Y, with two students taking both courses. In addition, arrangements were made for students taking Drama courses in London to observe rehearsals and performances in Stratford. Directors and performers from Stratford also participated in panel discussions on the London campus.

### EXTENSION CLASSES

There were 3,111 people registered for 3,702 courses in London and in the outside centres. Listed below are the number of classes and registrations for each Extension Centre:

	Classes	Registrations
London	50	2,365
Brantford	9	249
Chatham	6	128
Clinton	4	81
Owen Sound	6	199
Sarnia	10	340
St. Thomas	3	117
Stratford	3	79
Tillsonburg	2	56
Woodstock	3	88

The Department offered Computer Science 20 by cable television in Sarnia. The telecasts were augmented by frequent visits of the professor to Sarnia and by telephone hook-up after the weekly sessions.

### CORRESPONDENCE COURSES

In 1970-71, 190 students registered for 220 courses. Twenty-four courses were offered by correspondence in the following fields:

English	German	Psychology
French	History	Sociology
Geography	Latin	Spanish
	Philosophy	

The Department appreciates the arrangements made by the Library staff to facilitate the borrowing of books by correspondence students to enrich their available source materials.

### NON-CREDIT CONTINUING EDUCATION PROGRAM

The Summer School and Extension Department worked with many community, provincial and national organizations and various university faculties and departments in organizing and presenting continuing education programs during 1970-71. The off-campus organizations included: The Appraisal Institute of Canada, the Association of Professional Engineers, Canadian Cancer Society (Ontario Division), Institute of Canadian Bankers, Institute of Chartered Accountants, London Board of Education, Ontario Association of Real Estate Boards, Society of Industrial Accountants of Ontario and local welfare agencies. Many of these organizations have requirements for courses in similar academic areas. The Department has followed a policy of encouraging these organizations to accept one of our equivalent courses to fulfill the requirements toward their certificates. For example, the introductory course in Economics is accepted by the Appraisal Institute of Canada, Institute of Canadian Bankers, Institute of Chartered Accountants and the Ontario Association of Real Estate Boards for credit towards their various certificate programs.

Although the Department does not receive regular grants or subsidization for the non-credit programs, the Department did receive \$7,500 from the Canadian Geological Foundation and \$5,000 from the International Nickel Company of Canada to conduct a Summer Institute in 1970 on the

Earth Science Curriculum Project (E.S.C.P.). In addition, the Ontario Association of Real Estate Boards presented \$1,000 to the Department to be used in 1971-72 for urban affairs studies.

In cooperation with the Department of Geology, this Department offered a six-week Earth Science Curriculum Project Workshop for teachers during Summer School, 1970. In addition to the above grants, texts and laboratory manuals were supplied by Thomas Nelson and Sons, and laboratory supplies by Stark Electronic Instruments. The program included field trips to see Devonian bedrock, the Pleistocene beds in the Lake Erie area as well as a visit to the Ontario Science Centre. Mr. Dale Hesser, MSc, of Syracuse, who is a specialist in E.S.C.P., was the instructor for the course. Guest lecturers included: Mr. Robert Leggett from Ottawa; Mr. Norman Bisque from Boulder, Colorado; Mr. Edward Freeman from Toronto, and Mr. Hugo Pinti from Flint, Michigan. The twenty participants included two each from Alberta, Saskatchewan and Quebec and the remainder from Ontario. Grants were used to cover tuition, accommodation and meals plus a travel allowance for each participant.

Two other continuing education programs were offered in the summer of 1970 namely: a one-week Choral Clinic from July 6 to 10 and a six-week Intensive English Language Course from August 17 to September 24. The Choral Clinic was offered in conjunction with the Faculty of Music and drew twenty-four participants from various communities in Ontario with the majority being from southwestern Ontario.

The special English Language Course for Foreign Students was offered at no cost to the participants. Assessments were submitted on thirty students, and their progress, as indicated by the test results, compared favorably with the statistics of more than one thousand students who had taken eight-week courses at Michigan. A consensus of comments of instructors and students indicated that students should have to pay a portion of the costs to ensure greater commitment to the program.

The Department cooperated with the Faculty of Nursing to present a one-day Conference for Nurses on "Cooperation in the Health Care of Patients with Cancer" on Saturday, April 3, and a three-day workshop on Test Construction for Teachers in Nursing Education from May 4 to 7, 1971.

The Conference on Health Care of Patients with Cancer was offered under joint sponsorship with the University and the Canadian Cancer Society (Ontario Division) and included guest speakers, panel discussions with doctors, nurses and other representatives from the community. Dr. Ruth E. Alison of Princess Margaret Hospital in Toronto, who is Chairman of the National Education Committee of the Canadian Cancer Society, spoke in the morning on "Cancer Prevention and the Hopeful Outlook". In the afternoon Dr. Elisabeth Kubler-Ross, Medical Director of the Family Service and Mental Health Centre of South Cook County, Chicago, spoke on "Death and Dying". Six hundred and eighty people participated in this conference with about half of the participants from outside the London area.

The Test Construction Workshop, an in-residence, task-oriented and action-centred workshop for nurses teaching in schools of nursing was conducted by Associate Professor Vivian Wood of the Faculty of Nursing. This workshop was oversubscribed.

On June 24 and 25 one hundred and sixty people participated in a two-day Workshop on Innovations in the Health Curriculum offered in conjunction with the London Board of Education. The Workshop was designed for teachers and others working in the field with senior high school students. The course provided factual information in the areas of sexuality and family planning and dealt with the methodology of presenting these topics in the classroom. Lecturers were from the Medical Faculty and outside agencies.

Several new courses on community affairs were introduced in the regular weekly series of Continuing Education programs. Nine faculty members and one provincial government official participated in a series in the fall on Ecology of Pollution, followed in the spring by a series on Ecology of Conservation. Another series on Understanding Society with four sociologists from the University and two specialists from the community was enthusiastically received. The Introduction to Indian Culture course showed the relationship of the Canadian Indian to Western Culture. On the international scene the Office of International Development coordinated a series on International Development...the new name for peace, with visiting lecturers from Montreal, Ottawa, and Toronto in addition to lecturers from the University community. Faculty members from the Department of Russian Studies presented two courses - A Survey of Ukrainian Literature and Recent Ferment in Soviet Literature. These two courses were the first offered in these fields and were well received by the participants.

A complete list of continuing education (non-credit) programs along with registrations for each course or workshop follows this report. The activities have been listed under eight categories - Fine Arts, Humanities, Languages, Public Affairs and Professional Upgrading courses, short and long workshops and auditors of credit courses.

SUMMARY OF CONTINUING EDUCATION (NON-CREDIT) COURSES

	<u>Registrants</u>
<u>Fine Art Courses</u>	
Art From the Loom	22
Life Drawing (Fall)	30
Life Drawing (Advanced - January)	13
Life Drawing (January)	11
Photography as Art	22
TOTAL REGISTRANTS	98
<u>Humanities Courses</u>	
Beaudelaire and Les Fleurs du Mal	6
Histoire de la Musique Francaise	9
Informative Writing	16
Man and His Language	4
Modern French Novel in Translation	5
Nostalgic Look at Japan	11
Printing and Book Collecting for Pleasure	10
Recent Ferment in Soviet Literature	11
Survey of Ukranian Literature	11
Writing for the Mass Media	11
TOTAL REGISTRANTS	94
<u>Language Courses</u>	
Intensive English Language Course for Foreign Students, August 17 - September 24	30
English for Those Whose First Language is Not English (Fall)	18
English for Those Whose First Language is Not English (Winter)	9
French Conversation (5 classes)	63
TOTAL REGISTRANTS	120
<u>Public Affairs Courses</u>	
Canada and International Law	Cancelled
Consumer Protection Law	6
Contemporary World Affairs	16
Ecology of Conservation	26
Ecology of Pollution	35
International Development	26
Introduction to Indian Culture	18
Looking Ahead - Education and the Future	Cancelled
Understanding Society	62
Wills and Estate Planning	33
TOTAL REGISTRANTS	222

<u>Professional Upgrading Courses</u>	<u>Registrants</u>
Appraisal I	46
Communications	29
Computer Assisted Instruction	17
Engineering	
- APEO Machine Design (Tutoring format)	4
- APEO Electrical Principles (tutoring format)	3
- Advanced Chemical Reactor Study	Cancelled
- Chemical Process Principles	Cancelled
- Fluidized Bed Reactors	Cancelled
- Food Science and Technology	19
- Pavement Design	15
Introduction to Banking	60
Introductory Business (Section 1)	33
Introductory Business (Section 2)	28
Introductory Economics	12
Legal Aspects of Business	18
Management Accounting	20
Management - Organizational Behavior	13
Personality Assessment and Evaluation	35
R.I.A.	
- Accounting I	42
- Commercial Law	37
- Accounting II	32
- Managerial Statistics	39
- Report Writing	28
- Accounting III	25
- Industrial Organization and Management	16
- Business Maths (May, 1971)	31
	<hr/>
TOTAL REGISTRANTS	602
 <u>Workshops and Conferences (Up to one week)</u>	
Choral Clinic, July 6-10, 1970	24
Conference for Nurses in Cooperation in Health Care of Patients with Cancer, April 3, 1971	680
Test Construction for Teachers in Nursing Education, May 4-7	35
Innovations in Health Curriculum, June 24 & 25	160
	<hr/>
TOTAL REGISTRANTS	899
 <u>Summer Workshops (Over one week)</u>	
Earth Science Curriculum Project, June 29 - Aug. 7	21
Efficient Reading (Owen Sound Summer School)	7
	<hr/>
TOTAL REGISTRANTS	28
 <u>Auditors of Credit Courses</u>	
Summer School - 1970	80
Extension - 1970-71	127
	<hr/>
TOTAL REGISTRANTS	207

Total Participants in Continuing Education (Non-Credit)

2,270



WOMAN WORKING WITH HEADSET

Headset worn by woman working in laboratory at Bell Telephone Laboratories



TROIS-PISTOLES SUMMER SCHOOL

Report of the Director

PROFESSOR F. K. HARPER

The 1970 session of the Trois-Pistoles Summer School was held from July 2 to August 12. There were 188 course registrations involving 176 students, an increase of 10 over the previous summer. All provinces were represented except Prince Edward Island and Newfoundland. One student came from the Northwest Territories. There were several registrants from the United States.

Of the 176 students, 129 were registered in the French courses and 39 in the English courses for French-Canadians. One English-speaking student and 3 French-speaking students were enrolled in the bilingual Painting Course; 1 English-speaking student and 3 French-speaking students were enrolled in the course in the Methodology of Teaching English as a Second Language. This last course is worthy of special mention for two reasons: a) it is recognized for credit by the University of Quebec at Rimouski; and b) for each of the past two summers, the English-speaking student enrolled in it (in both cases a graduate of The University of Western Ontario) has remained in Trois-Pistoles for the following winter to teach English in the local high-school and thus to continue the cultural exchange which forms an important part of the work of the Summer School.

Forty-one of the English-speaking students and 10 of the French-speaking students came to the School under the special program instituted by the federal Department of the Secretary of State and operated by Canada Manpower and the Association of Universities and Colleges of Canada.

The Summer School staff consisted of 19 persons: the Director, the Secretary, 3 instructors in English, 10 instructors in French, 1 instructor in Methodology, 1 instructor in Painting, and 1 monitor each for Recreation and for the Language Laboratories. English courses were given at three levels of instruction and French courses at six levels ranging from a Beginners' class to one at a Third Year Honors level.

Cultural highlights of the session were: the "vin d'honneur" offered to staff and students by the Town of Trois-Pistoles; the tour of the town in open convertibles, the dinner and dance provided by the Junior Chamber of Commerce; the concert given by the choral group "Les Roitelets"; two evenings of cabaret offered by local artists; the three-day conducted bus tour of the Gaspé country; the choral concert given by the student choir under the direction of Monsieur Armand Auger and Mr. Philip Clark over radio station CJFP, Rivière-du-Loup; and the annual "vernissage" and exhibition of the work of the students in the Painting course.

Visitors to the Trois-Pistoles Summer School during the session included Miss Jeanne Graham of the London Free Press, who subsequently published an illustrated article on the School in that newspaper, Dr. D. F. Jones and Dr. Alma Saraydar of the Department of French, Dr. E. Saraydar of the Department of Economics, Dr. and Mrs. James Reaney of the Department of English, Professor and Madame Barbier of the Department of French, Professor and Madame Adrien Favre of Laval University, and Mr. Frederick Tatlow, Executive Assistant to the Director, A.U.C.C.

By virtue of a grant from the Department of the Secretary of State, "La Corporation des Cours d'été de Trois-Pistoles, Inc.", a body of local supporters of the Summer School, was able to offer considerable help in providing financial aid in the non-academic activities of the School and in offering prize monies and books to outstanding students.

Following the summer session, a number of important changes took place affecting the Summer School:

- a) the Director, Professor F. K. Harper, and the Secretary, Miss Louise Vallerand, retired as of August 31, 1970, and were succeeded by Professor Gilles Gagnon and Miss Alice Edstrom, respectively;
- b) the teaching staff was put on the same sessional contract basis as is in force for the teaching personnel of the University's other Summer Schools;
- c) the Federal Government, through the Department of the Secretary of State, discontinued its programs of direct aid to "La Corporation des Cours d'été, Inc." and of bursary aid administered through Canada Manpower and the A.U.C.C., replacing them with a national scholarship program to be administered through the Council of Ministers of Education. The important increase in the number and value of the federal scholarships will have a profound effect on the School in the enrichment and expansion of its academic and cultural programs in the future.



DEPARTMENT OF THE DEAN OF MEN

## Report of the Dean

MR. T. L. HOSKIN

This report covers student personnel services in the Department of the Dean of Men during the past year. At the outset it should be noted that some of these services are for both men and women students but administered by the Dean of Men and his staff. Student financial aid, placement, off-campus housing, and the reception and counselling service for foreign students are in this category, functioning as sub-departments. Personal counselling, fraternities, and men's residences are areas which concern men only and are identified more traditionally with the Office of the Dean of Men and the Assistant Dean of Men, A. E. D. MacKenzie.

The Registrar reports that 64.6 per cent or 7,915 of the 12,252 full-time undergraduate and graduate students registered in 1970-71 were men. In the previous year there were 6,645 men in the 10,019 full-time graduate and undergraduate students at the constituent colleges of the University.

The staff members of the Department of the Dean of Men are looking forward anxiously to September, 1971, when they will move to the new University Community Centre, where they will have more space and will all be located in one area of one building. The proximity of these services will make referrals easier, and promote more effectively the team concept of student personnel services - a concept that this Department has supported for many years.

The services covered in this report are designed to help students to be able to come to this University and to achieve the optimum maximum development consistent with their ability and their interests. Many of the personal problems that in-course students face are sufficient to make them feel that withdrawal from university is the only solution. If these students get to us in time, they are more likely to complete their program of studies and to achieve at a level commensurate with their ability. Personal problems are not limited to any particular age group, and students need to be aware of this because many are hesitant to talk to anyone about intimate personal problems. Although most of the students who come to the Dean of Men with personal problems do so on their own or at the suggestion of other students, many are referred by faculty members, Health Services staff, the Registrar, and Academic Counsellors. We are grateful to these people for their cooperation in both making and receiving student referrals throughout the year.

FOREIGN STUDENT ADVISORY SERVICE

In July of 1970, Mr. R. W. McGraw was appointed full-time Foreign Student Advisor. The increasing number of foreign students enrolled at the University made it impossible for the Assistant Dean of Men to continue to carry the responsibility for foreign students in addition to his normal duties. During the academic year 1970-71, 1,024 foreign students were enrolled, of which 691 were graduates. This is a significant increase from 1969-70 when the total was 723 and 416 graduates. The geographic origin of foreign students is as follows:-

United States	172	Africa	49
United Kingdom	163	Taiwan & Mainland China	44
Hong Kong	153	Pakistan	28
West Indies	96	Middle East	21
Asia (Misc.)	92	Australia and New Zealand	19
India	90	Latin America	18
European other than U.K.	79		

The counselling of foreign students continues to be of highest priority. In addition, the Office of the Foreign Student Advisor provides a liaison function between the Canadian International Development Agency and its scholars at the University.

Miss Faith Chiang, Student Chairman of the Overseas Student Reception Service during August and September, did a very good job of welcoming the newly arrived foreign students and assisting them in finding suitable accommodation. She was ably assisted by volunteers from the local community group, Friendly Relations with Overseas Students, and by members of the International Students' Club on campus. In addition, the International Students' Club and the Foreign Student Advisor were involved with the University Students' Council in preparing and operating international aspects of Orientation Week. Most of the new foreign students were interviewed by the Foreign Student Advisor shortly after their arrival in London.

International Week was held once again this year from November 16th to 22nd and was very well received. A great deal of effort was put into this by the members of the International Students' Club and by the various ethnic groups on campus. Featured were various cultural activities, including a fashion show, musical presentations from various countries, and an International Menu at a number of the campus cafeterias.

Two programs, both administered by the Foreign Student Advisor, were begun this year - LINCC and INTERFACE. LINCC, which is an abbreviated form of the London Intercultural Co-ordination Committee, aims to facilitate intercultural and international understanding through our school system. The committee is composed of University, teacher, community, and foreign student members. An arrangement has been worked out with the London Board of Education for the utilization of foreign students at The University of Western Ontario as resource persons in the London school system. Foreign students were invited to make a total of fifty visits to City schools under the LINCC program this year.

A library of audio-visual materials is being developed and is available for the students to take with them during their visits. The Canadian Bureau for International Education has shown interest in this program and has submitted a proposal to the Canadian International Development Agency suggesting that eight cities across Canada be encouraged to establish similar programs.

INTERFACE is a second program with aims similar to those of LINCC but involving the adult community outside the City schools. Basically, it arranges educational meetings between foreign students and small groups of Canadians. Several of these visits took place during the school year and formed the basis for additional informal gatherings.

A number of receptions and social activities were held during the year sponsored by the City of London, the Holiday Inn, the local committee of Friendly Relations with Overseas Students, and the Reception Service.

We would like to express our thanks to the International Students' Club and its President, Mr. Wills Rawana, the local committee of Friendly Relations with Overseas Students, and the staff of the Department of Immigration in London for their valuable assistance throughout the year.

#### STUDENT FINANCIAL AID

Mr. E. J. McLeod, Director of Student Financial Aid, reports that \$8,234,094 in student aid was disbursed during the academic year 1970/71, an increase of \$1,815,324 over the previous year. The Ontario Student Awards Program accounts for \$6,081,707 of the total, of which \$3,216,472 is in the form of repayable Canada Student Loan. Table 1 shows an analysis of funds disbursed by course, year and type of award. While loans increased by approximately \$500,000, non-repayable grants increased by \$1,000,000. Table 2 indicates that the percentage increase in student enrolment was 12.2 per cent, with a percentage increase in funds of 22 per cent. The difference is due to higher cost-of-living allowances, greater opportunity for children of low-income families to attend university, and rising enrolment of "independent students" in programs beyond the fourth year.

The John P. Metras Bursary was the only new bursary established this past year, and it will be available for the first time in 1971/72. This award will be available to male and female students on the basis of academic achievement and athletic ability. The following bursaries were discontinued:-

- a) Fruehauf Trailer Co. Ltd. - Two of \$150 each were available to students completing the third year of the Honors Physical and Health Education program.
- b) Interprovincial Pipe Line Company - \$1,000 was made available last year in amounts of up to \$150 to residents of Canada and the United States entering their second or subsequent years in the Applied Sciences.
- c) Lt.-Col. W. I. Nurse Scholarship - This award was established in honor of Lt.-Col. W. I. Nurse of Chatham and made available to Grade 13 graduates of the Chatham secondary schools. Lt.-Col. Nurse died in 1969, and his widow felt that the personal aspect of the scholarship was lost, and the scholarship was discontinued. The award was valued at \$1,000 a year for four years.

Reports were sent in April to all donors, giving the names, courses and addresses of award-holders, some background information and letters of thanks from the students. Last year 58 per cent of bursary recipients wrote "thank-you" letters, a decrease of 14 per cent from the 1969/70 academic year.

TABLE 1 - STUDENT AID SUMMARY, 1970-71

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		GRAND TOTALS	
		Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number	Value \$	Number of Awards	Total Assistance
7,308	Arts Totals (see Table 2)	280	37,345.	422	90,213.	124	109,256.	3,418	1,669,505.	3,468	1,811,905.	19	3,257.	7,731	3,721,481.
943	Science I	27	3,775.	235	54,835.	23	18,243.	414	213,925.	419	224,910.	1	95.	1,119	515,783.
722	" II	24	3,825.	10	1,275.	19	18,157.	275	115,615.	273	137,380.	2	165.	603	276,417.
555	" III	32	5,150.	20	4,250.	13	20,422.	239	115,800.	240	125,505.	-	-	544	271,127.
224	" IV	11	1,750.	20	4,175.	6	4,159.	71	34,690.	73	38,340.	4	1,600.	185	84,714.
2,444	Totals	94	14,500.	285	64,535.	61	60,981.	999	480,030.	1,005	526,135.	7	1,860.	2,451	1,148,041.
164	Engineering I	6	1,250.	13	3,300.	3	4,611.	66	34,480.	69	34,910.	1	50.	158	78,601.
134	" II	6	1,100.	2	750.	2	1,002.	51	26,785.	52	26,915.	-	-	113	56,552.
97	" III	8	1,100.	4	850.	3	6,704.	49	22,620.	49	24,875.	1	400.	114	56,549.
56	" IV	6	850.	3	230.	2	1,300.	32	15,000.	32	16,530.	3	1,200.	78	35,110.
451	Totals	26	4,300.	22	5,130.	10	13,617.	198	98,885.	202	103,230.	5	1,650.	463	226,812.
153	Law I	22	2,660.	-	-	2	1,928.	84	42,025.	85	44,610.	1	400.	194	91,623.
117	" II	7	900.	1	100.	-	-	88	45,950.	89	52,280.	-	-	185	99,230.
103	" III	4	450.	13	1,250.	-	-	67	39,615.	66	39,895.	-	-	150	81,210.
373	Totals	33	4,010.	14	1,350.	2	1,928.	239	127,590.	240	136,785.	1	400.	529	272,063.
26	* II M.R.	-	-	-	-	1	1,917.	10	3,520.	4	2,050.	-	-	15	7,487.
108	Medicine III) incl.	24	3,150.	3	550.	4	1,830.	50	32,000.	45	29,145.	-	-	126	66,675.
101	" IV) M.R.	14	3,300.	8	1,700.	11	28,456.	61	34,235.	66	37,305.	-	-	160	104,996.
81	" V	7	1,000.	9	3,950.	12	35,288.	58	28,120.	58	34,090.	1	400.	145	102,848.
75	" VI	13	1,800.	18	2,485.	12	32,693.	55	29,755.	57	32,780.	-	-	155	99,513.
391	Totals	58	9,250.	38	8,685.	40	100,184.	234	127,630.	230	135,370.	1	400.	601	381,519.
53	Dentistry I	8	1,050.	1	350.	2	6,605.	31	19,985.	31	17,415.	-	-	73	45,405.
40	" II	4	550.	2	250.	1	4,517.	34	19,345.	33	18,185.	-	-	74	42,847.
30	" III	4	550.	1	150.	1	2,450.	23	17,150.	23	14,200.	-	-	52	34,500.
9	" IV	2	250.	4	350.	2	3,300.	6	2,925.	6	3,420.	1	400.	21	10,645.
132	Totals	18	2,400.	8	1,100.	6	16,872.	94	59,405.	93	53,220.	1	400.	220	133,397.
46	Nursing I	2	250.	9	1,350.	3	917.	23	9,870.	24	12,615.	-	-	61	25,002.
55	" II	4	600.	1	150.	5	3,757.	25	11,535.	25	13,495.	-	-	60	29,537.
49	" III	3	350.	1	100.	8	12,357.	24	12,045.	24	13,590.	-	-	60	38,442.
38	" IV	4	550.	1	1,000.	5	9,983.	12	6,130.	13	6,170.	-	-	35	23,833.
188	Totals	13	1,750.	12	2,600.	21	27,014.	84	39,580.	86	45,870.	-	-	216	116,814.
744	Althouse	3	600.	750	374,700.	6	7,784.	274	117,145.	395	216,170.	9	1,500.	1,437	717,899.
12,031	Totals Undergrads.	525	74,155.	1,551	548,313.	270	337,636.	5,540	2,719,770.	5,719	3,028,685.	43	9,467.	13,648	6,718,026.
392	M.B.A.	1	150.	53	49,500.	8	8,385.	90	56,300.	141	93,562.	20	6,720.	313	214,617.
1,202	Other Grads.	6	1,050.	383	562,061.	180	553,048.	152	89,165.	166	94,225.	7	1,902.	894	1,301,451.
1,594	Totals Grads.	7	1,200.	436	611,561.	188	561,433.	242	145,465.	307	187,787.	27	8,622.	1,207	1,516,068.
13,625	Grand Totals	532	75,355.	1,987	1,159,874.	458	899,069.	5,782	2,865,235.	6,026	3,216,472.	70	18,089.	14,855	8,234,094.

\* The Faculty of Medicine includes Medical Rehabilitation years 2, 3, and 4 with enrolments of 26, 19 and 11 respectively

TABLE 2 - STUDENT AID, 1970-71

UNDERGRADUATES - ARTS, BUSINESS, MUSIC AND SOCIAL SCIENCE

UNIVERSITY-ADMINISTERED  
BURSARIES AND GRANTS

UNIVERSITY-ADMINISTERED  
AND  
ONTARIO SCHOLARSHIPS

O T H E R A W A R D S  
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	Total for Men		Total for Women	Total Scholarships	Total for Men		Total for Women	Total Other Awards	
M	W		M	W				M	W			M	W			M
1,417	1,359	I	28	28	3,725.	4,300.	8,025.	69	236	14,593.	67,093.	14	22	8,719.	13,872.	22,591.
1,381	906	II	48	50	6,970.	6,150.	13,120.	14	16	3,863.	7,173.	23	18	29,797.	13,179.	42,976.
931	722	III	33	47	4,400.	6,175.	10,575.	23	22	3,170.	7,360.	18	13	22,102.	8,790.	30,892.
406	186	IV	21	25	2,550.	3,075.	5,625.	22	20	4,450.	8,587.	10	6	7,977.	4,820.	12,797.
4,135	3,173	Totals	130	150	17,645.	19,700.	37,345.	128	294	26,076.	90,213.	65	59	68,595.	40,661.	109,256.

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	Total for Men		Total for Women	Total Loans
M	W				M	W				M	W		
656	596	335,060.	307,340.	642,400.	655	621	1,276	351,235.	682,005.	1	50.	50.	
649	437	301,970.	205,640.	507,610.	653	452	1,105	328,625.	563,690.	2	100.	100.	
459	305	219,410.	146,795.	366,205.	463	308	771	239,235.	401,875.	7	855.	855.	
202	114	95,850.	57,440.	153,290.	205	111	316	104,065.	164,335.	7	2,100.	2,252.	
1,966	1,452	952,290.	717,215.	1,669,505.	1,976	1,492	3,468	1,023,160.	1,811,905.	17	3,105.	3,257.	

G R A N D T O T A L S

Number of Men Assisted:..... 2,169 Percentage of Men Assisted:..... 52.4%  
 Number of Women Assisted:..... 1,845 Percentage of Women Assisted:..... 58%  
 Number of Students Assisted:..... 4,014 Percentage of Students Assisted:..... 54.6%

No. of Awards		Total for Men	Total for Women	Total Assistance
M	W			
1,423	1,503	713,382.	708,782.	1,422,164.
1,389	973	671,325.	463,344.	1,134,669.
1,003	695	489,172.	328,590.	817,762.
467	278	216,992.	129,894.	346,886.
4,282	3,449	2,090,871.	1,630,610.	3,721,481.

Average Amount of Gift-Aid per Man Assisted:..... \$490. Average C.S.L. per Man Assisted:..... \$470.  
 Average Amount of Gift-Aid per Woman Assisted:..... 456. Average C.S.L. per Woman Assisted:..... 427.  
 Average Amount of Gift-Aid per Student Assisted:..... 473. Average C.S.L. per Student Assisted:..... 448.

Average Amount of Gift-Aid per Total Enrolment - Men:..... \$257. Average C.S.L. per Total Enrolment - Men:..... \$247.  
 Average Amount of Gift-Aid per Total Enrolment - Women:..... 265. Average C.S.L. per Total Enrolment - Women:..... 249.  
 Average Amount of Gift-Aid per Total Enrolment - Students:.. 261. Average C.S.L. per Total Enrolment - Students:.. 248.

The University of Western Ontario Loans were largely restricted to students in their final year. In addition, this past year the Director was able to make greater use of the Student Benevolent Fund as the loan limit was increased to a maximum of \$100 from \$50. A new loan fund was put into effect for students at Althouse College of Education, known as the John J. Bowden Student Aid Fund. The Director, Mr. E. J. McLeod, states that "the deserving and needy student at The University of Western Ontario is being assisted by ever increasing sources of financial aid, of which the Ontario Student Awards Program continues to be the prime source of funds". The success of this Program in no small measure is the result of the dedication, flexibility and cooperation of the staff members in the Director's office.

The quantity and quality of information on Financial Aid has increased greatly over the past five years. Current plans for Central Information Systems at this University and at the provincial level are indeed encouraging but the Director of Financial Aid feels that two projects are of immediate concern:

- (i) The storing and maintenance of all information pertaining to student financial aid received by graduate and undergraduate students.
- (ii) The provision of reporting capabilities on the data stored and maintained in the computer.

#### PLACEMENT AND OFF-CAMPUS HOUSING

Mr. D. Klinger was appointed Director of Placement and Off-Campus Housing on January 1, 1971, to fill the vacancy created when Mr. C. F. Way became Secretary to the Board of Governors. Mr. B. McAteer was appointed in October, 1970, to fill the newly created position of Administrative Officer.

#### PLACEMENT

The anticipated reduction in the number of recruiting firms visiting this University in 1970-71 was the direct result of a slowing down in the Canadian economy. Nevertheless, 110 recruiters, a drop of 30 per cent from the 157 in the previous year, did arrange to recruit on campus. Invitations were sent to 243 firms in June, 1970, with the following response:

Employers invited	243
Intending to recruit	110
Intending <u>not</u> to recruit	47
No reply	86

The following schedule for on-campus interviews was used:

Phase I	Engineering & Science	November 2, 1970 - December 12, 1970.
Phase II	Arts, Social Sciences and Law	January 7, 1971 - February 12, 1971.
Phase III	Education	February 12, 1971 - April 5, 1971.

In the first two phases 110 firms held 2,974 interviews with members of the 1971 graduating class. The majority of the recruiters were interested in students in the undergraduate programs rather than those in the graduate fields and with a noticeable concentration on students in the sciences and engineering as opposed to humanities and social sciences. Salary offers remained relatively consistent with those offered the previous year. It is interesting to note that of the 110 firms interviewing, seventy-five of them interviewed more students than they interviewed in the previous year.

Student participation in the recruiting programs was good. All but a very few interview schedules were filled within a day after being posted. Some firms found it necessary to send an extra recruiter or schedule an extra day of interviews. In spite of this, a few students were not able to have on-campus interviews with some of the firms they selected.

The administrative trainee and foreign service officer examinations were held on campus in the fall. Approximately 180 students wrote the Public Service Commission of Canada examinations under the supervision of the Placement Director. These figures represent an increase of thirty students over the previous year.

In cooperation with Althouse College, a recruiting program was established for its graduates. The program attracted fifteen Boards of Education, who conducted interviews on campus. It is recommended that the entire teacher recruiting program be centralized at the University Placement Office in 1971-72 with continued provision for effective liaison with members of the Althouse professional staff. On April 16, 1971, a survey conducted by the Althouse Students' Council showed that 29.1 per cent of the graduates did not have teaching positions (Table 3). However, it is anticipated that by September, 1971, no more than 10 per cent of the graduates will be without jobs. In addition, some of these will have decided not to enter the teaching profession.

In March, a letter was sent to 300 potential employers encouraging summer employment for university students. The response to the letter was extremely favorable as many organizations responded by listing summer jobs with the service or by indicating they would like a student when and if a job became available. The University Placement Service for summer employment received 2,259 resumé's from students, and by the end of June 840 of these had been referred to specific job openings. The Placement Service again cooperated with several community groups (Canada Manpower, Fanshawe College, Inter-City Student Council and the Chamber of Commerce) to establish "Operation Placement" as a special project to generate summer jobs locally for students. This Placement Service opened in May at a downtown office provided by the City of London. A total of 2,309 university students registered with "Operation Placement". By August 1, approximately 900 applicants had been referred to jobs, 750 to full-time summer employment and 150 to part-time jobs.

The Federal Government introduced this year, the "Opportunities for Youth" program. Under its auspices, the University Students' Council request for financial assistance to establish a Youth Hostel was approved. The Placement Service accepted over 150 applications for staff positions and fifteen applications for the Directorship. Nine students were hired on a full-time basis for the summer. Both Mr. Klinger and Mr. McAteer of the University Placement Office were appointed members of the Hostel Governing Board.

TABLE 3

ALTHOUSE RECRUITING SURVEY\*

<u>SUBJECT</u>	<u>NO. OF PEOPLE FIRST OPTION</u>	<u>NUMBER UNEMPLOYED</u>	<u>PER CENT UNEMPLOYED</u>
Technical	52	23	44.2%
Art	10	1	10.0%
Biology	45	14	31.1%
Business & Commerce	32	6	18.6%
Computer Studies	4	1	25.0%
Economics	2	1	50.0%
Chemistry	26	1	3.8%
Elementary	38	13	33.9%
English	85	37	43.5%
General Science	1	1	100.0%
French	74	21	28.3%
Environmental Science	5	2	40.0%
Geography	57	19	33.3%
German	4	3	75.0%
Guidance	41	19	46.3%
History	67	46	68.6%
Home Economics	24	2	8.3%
Latin	13	7	53.8%
Mathematics	48	0	0.0%
Music	14	2	14.2%
Physical Education	68	17	25.0%
Physics	20	2	10.0%
Political Science	8	5	62.5%
Library Science	3	2	66.6%
Spanish	6	4	66.6%
Theatre Arts	2	0	0.0%
<b>TOTAL</b>	<b>735</b>	<b>251</b>	<b>29.1%</b>

\* As of April 16, 1971



## PART-TIME EMPLOYMENT

The flow of part-time positions into the Placement Service was light, but constant, throughout the year. Between September, 1970, and April, 1971, 111 part-time positions were made available to Western students. Referrals from the Placement Service filled all of the positions. Plans are now under way to solicit part-time jobs for students for the 1971-72 academic year. In accepting and referring students for part-time employment, the Placement Office attempts to follow the recommendations of a Yale Study which suggests that in most cases an optimum maximum of ten hours per week should not influence the academic achievement of a student.

## CAREER INFORMATION LIBRARY

To provide students with the most up-to-date materials regarding careers, companies, further education, and how to prepare for a job interview, the Placement Service has been developing a comprehensive collection for its Career Information Library.

A letter was sent to some 600 professional people, professional societies, businesses, industries, agencies, governmental departments and other such sources, requesting assistance in collecting career information. Response to the request has been excellent and the material is now being catalogued in the Placement Library. (Table 4)

## HOUSING

In May of 1970, letters were sent to landlords who had listed with the service in the previous year. A total of 1,090 listings was available by mid-June in the following categories:

Apartments	263
Light Housekeeping	253
Rooms	347
Room & Board	176
Houses	51

The zone distribution of the 1,090 units received as of June 22 was:

<u>Zone</u>	<u>Boundaries</u>	<u>Percent of Total</u>
C (Central)	Hutton Side Road, Hwy. 22, Adelaide St., Oxford St.	47%
M (Middle)	Hyde Park, 6th Concession, Highbury, Thames River	30%
P (Peripheral)	Beyond M Zone	23%

By the end of September, 1970, the total listings grew from 1,070 to 1,636. Using a factor of 2 1/2 beds per listing, the total number of beds available through off-campus accommodation was 1,636 x 2.5 or 4,090 beds. A surplus of 500 listings or 1,250 beds existed at the end of September, 1970, but many of these were in the peripheral areas and not really desirable for student accommodation. The majority of those students who use the Off-Campus Housing service are freshmen but there are also others from almost every year of every program using the service. Many students either return to the same boarding house or move into an apartment with two or three other students after the first year. Apartment living appears to be increasingly popular with students.

On July 1, 1966, the Placement & Off-Campus Housing Services were expanded and placed under one Director in the Department of the Dean of Men. At that time they were combined in one office to make possible the most effective use of staff throughout the entire year. Although both services were required to some degree in every month of the year, the peak period for housing was June to September and for placement October to May. The increase in enrolment and the many new programs undertaken in these two student services over the past five years indicate that the time has come when serious consideration must be given to separating their operation.

The Placement Service as a separate entity under one Director would be able to devote its efforts full-time to the following:

- Permanent, Summer and Part-time Employment
- Placement Service for Alumni
- Career Counselling (See Table 4)
- Career Information Library
- Research and Follow-up Programs
- Liaison with Community Resources

1970 - 71

## CAREER COUNSELLING IN THE PLACEMENT OFFICE

University Departments	No. of Students Seen	Self Referral	Referrals from Agencies* in the University	Referrals from Agencies* Outside the University	Referrals to Agencies* in the University	Referrals to Agencies* Outside the University
ARTS	59	47	11	1	6	-
SOCIAL SCIENCE	76	56	18	2	6	4
ENGINEERING SCIENCE	29	14	14	1	4	-
NATURAL SCIENCES	65	50	15	-	3	1
BIO-MEDICAL SCIENCE	3	2	1	-	-	1
BUSINESS ADMIN.	1	1	-	-	-	-
MUSIC	1	1	-	-	-	1
EDUCATION	5	2	3	-	-	2
LAW	1	1	-	-	-	-
NURSING	1	1	-	-	-	-
SOCIAL WELFARE	1	1	-	-	-	-
TOTAL	242	176	62	4	19	9

\*  
 1.Registrar's Off.  
 2.Dean of Men  
 3.Dean of Women  
 4.Foreign Student Advisor  
 5.Financial Aid  
 6.Faculty Member  
 7.Department Chairman or Assistant  
 8.Student Council  
 9.Dean of Faculty  
 10.Chaplains  
 11.Academic Counselling  
 12.Placement Liaison Officer  
 13.Other

\*  
 1.Canada Manpower Centre  
 2.Fanshawe College  
 3.Adult Retraining  
 4.United Community Services  
 5.District and Area High Schools  
 6.Other

\*  
 1.Academic Counselling  
 2.Faculty Member  
 3.Department Chairman  
 4.Dean of Faculty  
 5.Financial Aid  
 6.Placement Liaison Officer  
 7.Other

\*  
 1.Employer contacts  
 2.Canada Manpower  
 3.John Howard Society  
 4.Central Mortgage and Housing Association  
 5.Other

The Off-Campus Housing Service as a separate entity with a Director might well become a centralized student housing service, charged with the responsibility of coordinating all types of housing, including residences and married students apartments.

## RESIDENCES

For the 1,493 beds available in the men's residences, Medway, Sydenham and Saugeen Halls, 4,716 requests for application forms were received and 3,987 returned by the end of August, 1970. The freshmen returned 2,581 and the remaining 1,406 came from graduate students and upperclassmen representing a ratio of 65 per cent freshmen applications and 35 per cent non-freshmen. The men's residences were filled in 1970-71 and the freshmen represented about 60 per cent of the residents.

In filling the men's residences, Warden Henry was encouraged by the number of former residents who wished to return. Every effort was made to readmit as many of these as possible with as broad a representation of academic programs as possible.

During the year the Senate Committee on Residences approved a plan submitted in a brief from the Residents' Councils of Saugeen and Maitland Halls to make these two Glenmore residences into a coed residence. Accordingly, the Senate set up an implementation committee to plan the coed residence for 1971-72. During the year the Implementation Committee's recommendation to make Saugeen Hall, residence for men, and Maitland Hall, residence for women, into one coed residence was approved. It was agreed to change the proportion of men and women from 900 men and 300 women to 700 men and 500 women. This, of course, will reduce the residence accommodation for men from 1,493 to 1,293 next year.

The following were associated with Dr. W. Cameron Henry, Warden of Men's Residences, during the year.

### Medway Hall

Proctor:	Dr. Patrick W. Whippey, BSc, PhD
Dons:	Mr. Terrence Collier (Law) Mr. Richard Grant, BA Mr. David Cruickshank, BA

Also associated with the residence were the following distinguished members of faculty who served as Fellows of Medway Hall:

D. R. Bidinosti BSc, MSc, PhD	Associate Professor Department of Chemistry
J. D. Blackwell BSc, MSc, PhD	Professor and Head Department of Applied Mathematics
J. F. Graham BA, MBA	Assistant Professor School of Business Administration
D. L. Guemple BA, MA, PhD	Associate Professor Department of Anthropology
H. J. Johnson BA, PhD	Associate Professor Department of Philosophy
R. W. Packer BA, MA, FRGS	Professor Department of Geography
E. G. Pleva BA, MA, PhD	Professor Department of Geography
R. J. Rossiter DPhil, DM	Vice-President (Academic) and Provost
J. A. F. Stevenson BA, MA, MD, CM, FRSC	Professor and Chairman Department of Physiology and Dean of Graduate Studies
A. M. Urquhart OSA, ARCA, BFA	Associate Professor Department of Fine Art

Honorary Residence Fellow

Brigadier the Honorable  
Milton Fowler Gregg  
VC, CBE, MC, ED

Warden of Medway Hall

Sydenham Hall

Proctor:

Professor George M. Thomson  
BA, LLB, LLM

Dons:

Mr. John A. Sholdice, BA  
Mr. A. Ben Lorriman, BA  
Mr. Dennis M. Walker, BA

Also associated with the residence were the following distinguished members of faculty who served as Fellows of Sydenham Hall:

P. A. Forsyth  
BA, MA, PhD, FRSC

Professor  
Department of Physics

J. Havelka  
MA, PhD, MSc

Professor and Head  
Department of Psychology  
King's College

A. H. Johnson  
BA, MA, PhD, FRSC

Senior Professor  
Department of Philosophy

A. Mikalachki  
MBA, PhD

Associate Professor  
School of Business Administration

R. G. E. Murray  
BA, MA, MD, CM, FRSC

Professor and Head  
Department of Bacteriology & Immunology

E. E. Palmer  
BA, MA, LLB, LLM

Professor  
Faculty of Law

H. C. Palmer  
BSc, PhD

Associate Professor  
Department of Geophysics

J. A. Rendall  
BA, LLB, LLM

Associate Professor  
Faculty of Law

J. G. Rowe  
AB, BD, MA, PhD

Dean of Faculty of Arts

W. A. Thompson  
AB, MBA, LLD

Associate Dean  
School of Business Administration

W. H. Wehlau  
AB, PhD

Professor and Head  
Department of Astronomy

Glenmore Residences - Saugeen Hall

Proctor:

Dr. T. B. (Max) Ong, MD, MSc

Dons:

Mr. Lawrence Bertuzzi, BSc  
Dr. George Catlow, PhD  
Mr. Charles A. Labarge, BA  
Mr. Ronald Litt (Zoology)  
Mr. William S. Lockington, BA  
Mr. John Pook, BA  
Mr. Jack S. Restivo, BA  
Mr. Peter Rider, BA, MA  
Mr. Sergio Spisani, BA

Also associated with the residence were the following distinguished members of faculty who served as Fellows of Saugeen Hall:

T. J. Casaubon  
BA

Professor and Assistant to the Dean  
Althouse College

T. J. Collins BA, MA, PhD	Associate Professor Department of English
A. G. Davenport MA, MASC, PhD, PEng	Professor Engineering Science
M. Leenders BSc, MBA, DBA	Associate Professor School of Business Administration
A. Porter MSc, PhD, FRSC	Academic Commissioner
H. B. Stewart MD, PhD	Professor and Head Department of Biochemistry

During the summer months, the renting of accommodation in the residences for men and for women was looked after by Mr. R. A. Virtue, Business Manager of Residences. He and his capable staff report that 209 male and 128 female summer students lived in the residences. At the same time there were 1,878 persons in special groups accommodated at various times in the men's residences and 1,197 persons in the women's residences for a total of 3,075 in special groups throughout the summer. Forty-one graduate students lived in the men's residences throughout the entire summer.

#### FRATERNITIES

During the academic year 1970-71, a new professional fraternity, Phi Alpha Delta (Law), was admitted on campus. The following Greek-letter fraternities and societies have chapters at Western:

Alpha Kappa Kappa	Phi Alpha Delta
Beta Theta Pi	Phi Delta Theta
Delta Kappa Epsilon	Phi Gamma Delta
Delta Upsilon	Sigma Chi
Kappa Alpha Society	Zeta Psi

Although the Registrar's Office no longer provides an All-Men's scholastic average, past records indicate that at least eight of the fraternities on campus achieved a scholastic average above that for the entire University.

Alpha Kappa Kappa retained the Northern Life Trophy for the best record of chapter scholarships, with Phi Gamma Delta as runner-up.

The Inter-Fraternity Council, at an open meeting of all fraternities, voted overwhelmingly in favor of freshmen rush for the first time in Western's history. The fraternities claim that freshmen will benefit both academically and socially from fraternity life.

During the past year, individual fraternities participated in many community projects, which included entertaining orphans at Christmas parties and working with senior citizens. All fraternities participated in the "Drop in the Bucket" campaign of the Canadian Save the Children Fund which was sponsored on this campus by the Inter-Fraternity Council. In addition, the National Director of the "Drop in the Bucket" campaign was a Western student and a fraternity member.



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 "Statistical Report - 1970-71", it is of interest to summarize the enrolment findings for women. In so doing, one might like to recall that a decade ago, 1960-61, only 31.91 per cent of the total graduate and undergraduate students registered at Western were women and that the number of full-time undergraduate women was 952. This year the picture is:

Total full-time students in the University and Affiliated Colleges: 13,723 \*

Men 8,621  
Women 5,102 (37.17%)

Total full-time undergraduates (University and Affiliated Colleges): 11,926 \*\*

Men 7,211  
Women 4,715 (39.5%)

Total full-time undergraduates in the University: 10,455

Men 6,505  
Women 3,950 (37.78%)

Total full-time students in Faculty of Graduate Studies: 1,747

Men 1,395  
Women 352 (20.1%)

Total full-time students in Affiliated Colleges: 1,471

Men 706  
Women 765 (52.01%)

\* Includes 25 Preliminary year students in Brescia and 25 Diploma students in Journalism

\*\* Omits 25 Preliminary year students in Brescia and 25 Diploma students in Journalism

The figures for the Affiliated Colleges (Brescia, King's and Huron) are of significance because many of the students were registered for courses in the Constituent University. Conversely, some of the students in the Constituent University were registered for courses in the Affiliated Colleges.

The full-time women were enrolled in the Faculties and Schools as follows:

	<u>Undergraduate 1970-71</u>	<u>Graduate 1970-71</u>
Faculty of Arts	1,227	67
Faculty of Music	156	5
Faculty of Social Science	1,879	35
Faculty of Science	822	-
School of Business Administration	9	4
Faculty of Engineering Science	2	2
Faculty of Law	23	-
* Faculty of Medicine	43	-
Faculty of Nursing	175	19
School of Library and Information Science	-	117
Faculty of Dentistry	4	-
Bio-Sciences	-	85
Physical Sciences	-	18
Unclassified	3	-
<b>TOTAL</b>	<b>4,343</b>	<b>352</b>
Althouse College of Education	<u>372</u>	<u>-</u>
<b>TOTAL</b>	<b>4,715</b>	<b>352</b>

\* Includes Medical Rehabilitation

From the above data it is all too obvious that women students are registering in every Faculty and School and have increased in numbers on this campus. These trends appear to be similar to those in the U.S.A. According to K. Patricia Cross, director of college programs, Center for Research and Development in Higher Education, University of California, Berkeley:

"Only twenty years ago, 70 percent of all of the students enrolled in institutions of higher education were men. But with each passing decade the percentage of women pursuing degrees increased by five percent, going from 30 percent in 1948, to 35 percent in 1958, to 40 percent in 1968. The National Center for Educational Statistics predicts that by 1978 women will constitute 45 percent of the national college student population." (Research report number 5, March 15, 1971)

### 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.

The three Greek-letter organizations and the Pan-Hellenic Council had a productive year. In Pan-Hellenic a great deal of Council time was spent implementing the new Rushing regulations. As a result of the procedures, membership increased. However, it still seems difficult to publicize the real role and advantages of fraternal organizations. This is surprising because in large multiversities one would suppose students want to be identified with small groups.

### THE RESIDENCES

The housing of students is of major concern in this department. The three residence halls, Spencer Hall (86), Delaware Hall (452), and Maitland Hall (306), provide accommodation for 844 women students (21.4 per cent of the full-time undergraduate women in the University). Slightly more women, in effect, were living in residence halls because of student projects (sororities and Roxburghe College) and the United Church-sponsored Westminster College.

The number of applications for University residence accommodation increased from 2,370 to 2,591: 726 (570) from upperclass and 1,865 (1,800) from freshettes. Priority was given to undergraduates and because only 28.03 per cent of the applications were from upperclass, priority was given to freshettes. In September, there was a lengthy waiting list and vacancies were filled easily and quickly. Over half of the vacancies were created because students withdrew from the University.

At Spencer Hall there were 86 students in residence: 69 freshettes and 17 upperclass. Eighty of these students came from Ontario, 2 from Quebec, 2 from the United States of America, 1 from the West Indies, and 1 from Singapore. The academic report revealed that 2.3 per cent were on the Dean's Honors List and 8.1 per cent failed the year's work.

Delaware Hall was a busy place both during the academic year and the summer. In the winter session 452 were in residence: 286 (63.3 per cent) freshettes, 166 (36.7 per cent) upperclass. Most of the students came from Ontario but 7 were from other parts of Canada, 3 from the Commonwealth countries, 2 from the United States of America, and 5 from other foreign countries. The failure rate was very low, 1.1 per cent, and 13.3 per cent were on the Dean's Honors List.

At Maitland Hall 306 students were in residence: 165 (53.9 per cent) freshettes, 141 (46.1 per cent) upperclass. Most of the students came from Ontario (281) but 13 were from other parts of Canada, and 12 from outside of Canada. Of the residents, 8.2 per cent were on the Dean's Honors List and 3.3 per cent failed the year's work.

The three Proctors, Miss Marcia Dille, Spencer Hall, Miss Louise McKillop, Delaware Hall, and Mrs. P. F. (Cathie) Armstrong, Maitland Hall, along with the residence Dons and House Seniors and the Residents' Councils have succeeded in creating an atmosphere in the residences in which students generally have been happy and academically successful.

In the period May to September, there were 27 Special Groups in residence at Delaware Hall and Maitland Hall. The groups varied considerably in size and number of days in residence. The coordination 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.



The Summer School students were domiciled at Delaware Hall. Although a few students stayed at Delaware Hall during the entire summer, there were 214 who stayed for a month or more.

It seems wise to emphasize again this year that it was a period of soul-searching. The aims and policies of residence halls were constantly under review. The Senate Sub-Committee on Residence Policy presented its report in February, 1970, on Spencer Hall, Delaware Hall, Medway Hall and Sydenham Hall. This report was passed by Senate and a Special Committee was appointed to implement the Report. The individual residences were asked to consider the recommendations and if necessary make new proposals. As a result of these deliberations, it was decided that Spencer Hall should not become a Co-ed Residence and Saugeen Hall should be called Saugeen-Maitland Hall with 507 beds rather than 306 available for women. There has been a shortage of residential accommodation for women and it could become critical in the near future.

Miss Louise McKillop's resignation was accepted with regret. We thank her and offer best wishes as she continues her graduate studies at the University of Madrid.

#### 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 Faculty Deans, the Physicians and Counsellors in the University Health Service, the Registrar and his staff, the Director of Financial Aid and the Director of Placement and Off-Campus Housing. Without the cooperation of many people, problems would not have been resolved to the student's satisfaction. I am grateful to all who helped in any way.

#### PERSONAL NOTE

I wish to express my thanks to Mr. J. Shortreed, Director of Physical Plant, who retired on June 30, for his unique contribution to Western. He was a valued member of the Women's Residences Advisory Committee from its inception in 1951 when Major General A. C. Spencer's home was purchased as the first residence. His expertise in this area is recognized and was greatly appreciated.

#### WOMEN'S LIB

In this year in particular Women's Lib should be mentioned. The movement has aroused a multiplicity of reactions, from slight amusement and mild tolerance to open antagonism. Any movement, even a worthwhile one, seems to attract a lunatic fringe. However, one thing is clear, educators should study the issues seriously and prepare for greater participation of women in all phases of university and community life.

#### RESIDENCES STAFF

<u>Residence</u>	<u>Proctor</u>	<u>Dons</u>	<u>House Seniors</u>
Spencer Hall	Marcia Dilley	Linda Duncan Michele McGinn	Heather Pattenick Linda Southam
Delaware Hall	Louise McKillop	Mae Cutler Barbara Houghton Christine Johanson Catherine Mallory	Joan Fitzpatrick Heather McKeand Sandra Norris Margaret Paul Cathy Simpson Yeow Cheong Tan Susan Vila Diana Willson
Maitland Hall	Cathie Armstrong	Norma Dillon (replaced Susanne Pearce on Jan. 1) Patricia Martin Susanne Pearce (terminated Jan.1) Linda Teteruck	Dianne Binns Jane Elliott Audrey Howe Lorilee Matheson Kay Somerville Gwen Young

NOTE: All the above appointments were sessional and terminated on June 30, 1971.



UNIVERSITY STUDENT HEALTH SERVICE

## Report of the University Physician

DR. RICHARD J. BOWEN

For the year under review the University student community has again shown a growth in size with a consequent increase of approximately 20 per cent more patient visits than the previous year. The clinic hours have been extended and two physicians have been in attendance at all times.

Althouse College and Summer School also contributed to the general increase.

Pending the development of a new policy, tuberculin testing of students was not undertaken at time of registration in 1970. The numbers of students involved at time of registration and other factors now make this arrangement impractical. In future all students appearing at the University for the first time will be required to show evidence, from previous medical examination, of either a negative tuberculin reaction or negative chest x-ray.

The counselling service has been used by over 500 students, or twice the number during 1969-70. Of these only 9 per cent required referral to psychiatric care. Additional part-time staff has been necessary to cope with the increasing burden of work in this important field. We are pleased to report that the number of students counselled with problems covering hallucinogenic drugs has not increased during the present year and it has not been necessary to establish, as was anticipated, a special clinic to help manage these problems.

Following the recommendation of a special committee appointed last year, a Gynaecological Service under the direction of Dr. A. A. Yuzpe has been established in association with the Department of Obstetrics and Gynaecology of the Faculty of Medicine. A clinic is held each week and the average attendance of ten students indicates that an important need is being filled.

STAFF CHANGES

Dr. Arthur Baird joined the medical staff during this period. Unfortunately due to ill health he was forced to retire after rendering excellent service.

We record with regret the retirement of Mrs. Ruby Bond who, after years of excellent and faithful service as a full-time nurse, has been replaced by Mrs. Elizabeth Ryckman.

Mrs. Kathleen Halliday and Mrs. Kathleen Smith have been appointed as part-time nurses and Mrs. Margaret Butler has joined the office staff.

STATISTICS: July 1, 1970 - June 30, 1971

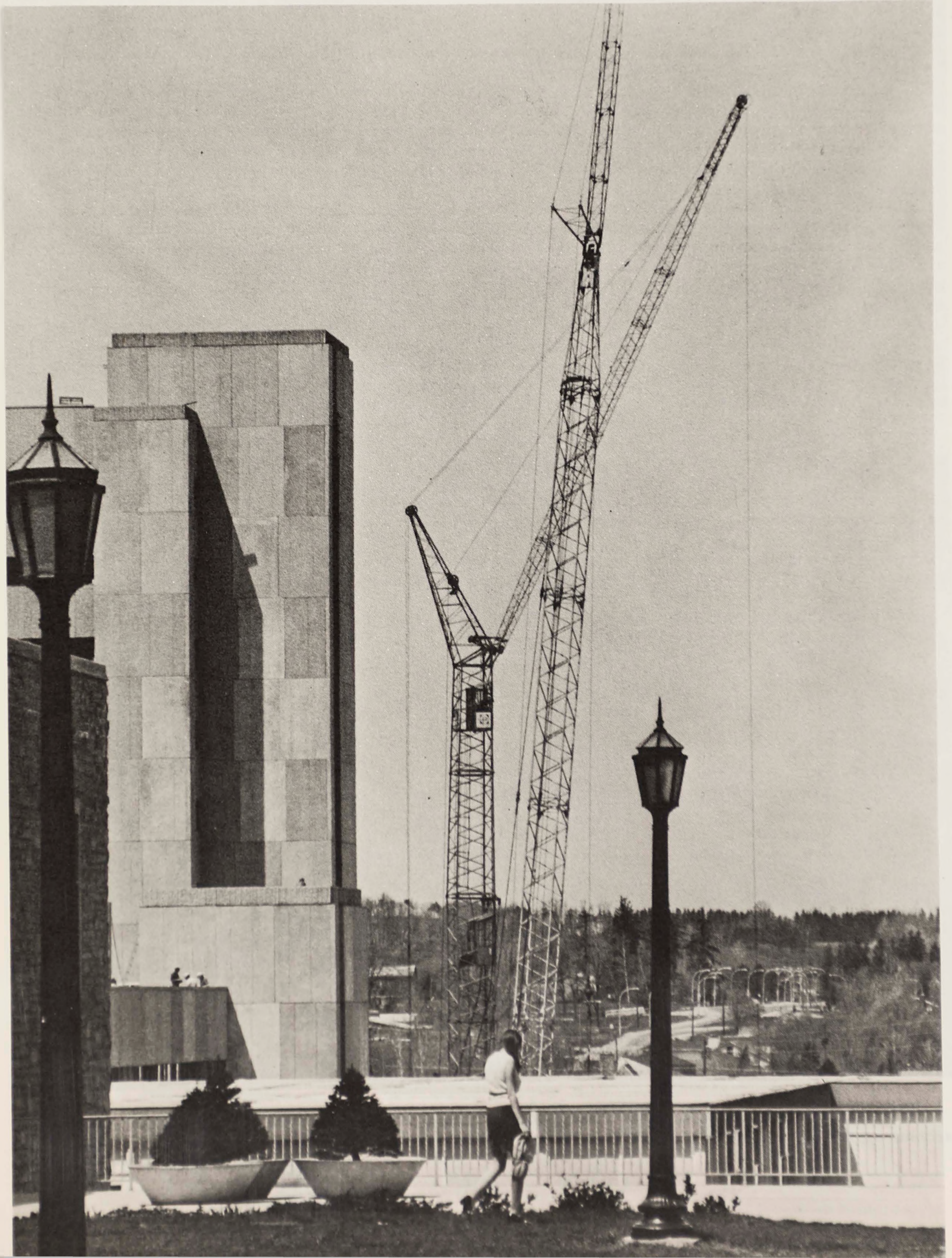
Total visits		20,738
Referral to specialists:		
Diagnostic x-ray	283	
Gynaecology	157	
Dermatology	135	
Ophthalmology	118	
Surgery	108	
Orthopaedics	84	
Counselling Service	81	
Medicine	68	
Dentistry	63	
Other	198	1,295
Laboratory tests		860
Prophylactic Inoculations		
Allergy sera (213 students)	3,167	
Small pox, typhoid, etc.	875	4,042

Weekly immunization clinics for students, staff and faculty who plan foreign travel accounted for an additional 3,099 injections serving 753 people.

MEETINGS ATTENDED

During the year Dr. R. J. Bowen attended the annual meeting of the Canadian College Health Association in Halifax. Dr. John Thurlow participated in a special conference at Boston covering contemporary problems in adolescent medicine, and Mr. David Sutton attended the annual conference of the American Group Psychotherapy Association in Los Angeles.

The support and services given by all members of the medical, nursing and office staff in making health care available to our students are gratefully acknowledged.



DEPARTMENT OF BUILDINGS AND GROUNDS

## Report of the Associate Director of Physical Plant

R. M. YEOSTAFF

The end of the fiscal year brought the retirement of the Director of Physical Plant, Mr. John Shortreed, after almost twenty-five years of service to the University.

During the year, the number of employees of the Department increased 8 per cent. The following table indicates the distribution of employees within the Department with comparative numbers for the preceding year.

<u>Classification</u>	<u>Monthly Averages</u>	
	<u>1969-1970</u>	<u>1970-1971</u>
<u>Regular Full Time</u>		
Administrative, professional	14	16
Secretarial, clerical, drafting	33	40
Operative - Switchboard, stores drivers, grounds, heating plant, traffic, security parking, residence hall clerks, post office	77	85
Trades (including supervisors)	81	89
Caretaking (including supervisors)	233	254
Sub-Total	438	484
<u>Temporary and Probationary</u>	35	26
Total	<u>473</u>	<u>510</u>

TELEPHONES

Considerable expansion in the telephone system was experienced. By the end of the fiscal year the monthly telephone rental cost exceeded \$23,000.00 for a total of 2,130 sets, an increase of 20 per cent over the previous year's figures.

The daily average of incoming calls to the University was 3,330, 87 per cent of which were direct dialing (not requiring the services of the switchboard attendants). During the period, an average of 1,478 calls per hour were dialed within the University telephone system.

A Communications Co-ordinator was employed with one of his terms of reference being the study and analysis of the University telephone system to produce more efficient and economical methods of operation.

MAIL AND MESSAGE SERVICES

To provide a more economical service, a reduction in the schedule of the pickup and delivery systems for both the Royal Mail and campus messages was implemented at the end of the fiscal year.

The following indicates the average volume of mail handled and services provided through the University Post Office.

First Class Royal Mail	-	16 bags per day
Second Class Royal Mail	-	34 bags per day
Parcels Royal Mail	-	15 bags per day
Campus Message Service	-	10 bags per day
		75 bags per day
	Total	
Registered Mail	-	100 items per day
Stamp Sales	-	\$8,583.00 per month
Money Order Transactions	-	\$7,392.00 per month

### RESERVATIONS

Applications for special events and reservations for the scheduling of functions outside of the regular academic curriculum increased by 30 per cent to a total of 6,692 for the year.

All timetables for Summer School classes, Extension classes, regular class periods, athletics, and examinations were set up in the office records and were revised, as necessary, throughout the year to accommodate a large number of variations. These revisions totalled some 13,000 entries.

### EQUIPMENT

Increases in operational requirements resulted in the purchase of three additional vehicles. These increased the total vehicles operated by the Department to twenty-eight units, including five small vans, thirteen medium trucks vans and cars, four large trucks, two 3-wheel vehicles, and four tractors.

### TRAFFIC AND PARKING

The appointment of a Parking and Traffic Co-ordinator early in the fiscal year made an effective liaison between this Department and the University Committee on Parking and Traffic.

The following average figures indicate the operational activities for the period of ten months commencing September 1, 1970.

Violation Tickets Issued		
Vehicles With Permits	359	
Vehicles Without Permits	2,162	2,521 per month
Vehicles Towed		
With Permits	7	
Without Permits	30	37 per month
Repairs and/or Replacements		
Gate arms and/or pins		103 per month
Gate mechanisms		20 per month
Meters		13 per month

### STORES

A "Contract System" for the purchasing of material for the electrical and mechanical trades was implemented during the year.

This purchasing procedure will substantially reduce the stock of these items and thus, reduce the inventory and labor costs for handling and processing.

Stores activity for the twelve-month period was as indicated below:

Requisitions raised	-	552 average per month
Stock items handled		
(received and issued)	-	2,817 average per month
All transactions	-	3,785 average per month
Consumption value	-	\$25,230 average per month

## CONSTRUCTION

During the course of the year eleven new buildings or major additions to existing buildings were under some phase of construction. The sum of the total costs of the eleven projects amounted to \$36,565,000.00 and the cash flow for the year was \$9,380,000.00.

In addition 41,390 square feet of emergency space was provided in seven temporary demountable buildings, and a small research facility was added to the Biological and Geological Sciences Building. This latter was the 1,736 assignable square feet Photo Period Laboratory Building.

- a) The following buildings were under construction prior to July 1, 1970, and were not complete at the end of the period:

### The D. B. Weldon Library

Construction continued on this project throughout the year. Construction delays caused major set-backs in the completion schedule to the extent that complete turnover of the building is not anticipated until December, 1971. Portions of the building were taken over in the Spring of 1971 for use as graduate student study areas.

### Engineering Science and Mathematics Building Addition

Good progress was made on this project and take-over by the University will be scheduled for Mid Summer 1971.

- b) The following buildings were completed during the year:

### Staging Building

Occupancy by the Departments of Psychology, Botany, and Zoology of this pre-engineered steel building was effected in September, 1970.

### Fanshawe Boathouse

During the Fall of 1970, a pre-engineered metal building was erected on the south shore of Fanshawe Lake. The structure provides storage and maintenance facilities for racing shells for the University Rowing Club.

### Fine Art Building

A pre-engineered metal building, located adjacent to the Staging Building was erected and occupied in October, 1970. The 14,000 gross square feet provided office, studio, lecture, theatre, photographic dark room, and woodwork shop facilities as well as various art display areas.

- c) Construction started on the following buildings during the year:

### The Faculty of Music Addition to Talbot College

Construction commenced during September, 1970, on the major addition to Talbot College for the Faculty of Music. The addition will provide 27,000 assignable square feet with completion scheduled for the Fall of 1971.

### University Community Centre

Tenders were called, the contract awarded, and work started on the University Community Centre. It is anticipated that Phase I of the project will be available for occupancy by the Bookstore, Health Services, the Dean of Men, and the Dean of Women in October, 1971. Building completion is scheduled by December, 1972.

### Social Science Centre

The building consists of Phases I and II of the Social Sciences Building program. It will provide space for the Departments of Anthropology, Economics, Geography, History, Journalism, Political Science, Psychology, and Sociology.

The total net assignable area in this building will be 188,485 square feet and the total gross area will be 363,353 square feet.

The project was divided into two construction contracts in order to meet the anticipated completion date of September, 1972. The structural elements were called as a "Stipulated Sum Contract" and tenders were received in the Fall of 1970. Construction started at the end of October, 1970. A "Construction Management Contract" was negotiated for the finishing trades as well as the mechanical and electrical trades with the bulk of sub-trade tenders received in March, 1971.

Construction has been proceeding on schedule.

#### Stevenson-Lawson Bridge Building Addition

Plans were finalized and tenders called on a link building to join Stevenson Hall and the Lawson Memorial Library. Construction started on the structure with the expected occupancy being early in 1972.

#### Central Food Services Commissary

Tenders were called, the contract awarded, and construction was started for this new facility for Food Services. Occupancy on a full production basis is planned for January, 1972.

#### Services Building Additions

Tenders were called, the contract awarded, and work commenced on the two major additions to the Services Building with expected occupancy early in 1972.

### MAJOR ALTERATIONS TO BUILDINGS

#### Biological and Geological Sciences Building

Additional furnished laboratory space in various areas of the building was produced by the removal of several masonry partitions, and the elimination of a corridor cloak room area. The faculty lounge was made into two faculty offices; the office laboratories being converted into a new lounge. The costs of all renovations and furnishings was \$17,500.00.

#### Chemistry Building

An undergraduate teaching laboratory was converted to provide offices, research and graduate student areas at a budget figure of almost \$10,000.00.

#### Dental Sciences Building

Laboratory areas were expanded by the renovation of a lounge and locker rooms. The work included provision of plumbing and electrical services and door openings to relocate apparatus and equipment. The removal of furnishings, partitions, and services provided facilities and office space for the Department of Physiology. Three new offices were provided by major alterations which included the cutting of new windows through the exterior stone wall of the building. The total expenditure was \$23,000.00.

#### Middlesex College

A lecture room was converted to provide an equipment room for the sound laboratories. The \$6,500.00 cost included the removal of furnishings and the installation of a platform, work benches, electrical and air conditioning services.

#### Medical Sciences Building

An additional reading room complete with carrels was provided by the conversion of the men's locker room on the first floor. The existing lockers were relocated in the basement corridor. The total cost of the project was \$12,000.00.

#### Natural Sciences Building

The construction of partitions and levelling of the floor in the tunnel corridor provided storage areas for the Technical Services Department, the Instructional Media Department, and the Department of Physics at the cost of \$6,000.00.



Acoustic absorption panels were installed on three walls of two lecture rooms for \$4,000.00.

The light level intensity was increased in several lecture rooms by means of additional fluorescent fixtures and the speaker system revised in one of them at a total cost of \$14,500.00.

#### Physical Sciences Building

The original two amphitheatres and the adjoining washroom, lounge, and storage areas were converted to provide additional lecture rooms, offices, and laboratories. The cost of this project was \$157,000.00.

#### Saugeen-Maitland Hall

Minor revisions were made to the buildings to make it suitable for use as a coed residence. The cost of the revisions was \$6,000.00.

#### Kresge School of Nursing Building

A reading room was subdivided and furnished to provide six faculty offices at a cost of \$5,500.00.

#### Talbot College

The orchestra pit in the theatre was enlarged.

Alterations were made to provide a private office for the Assistant Dean of the Faculty of Arts.

The graduate study lounge and cubicles were converted into a faculty office.

The space formerly used by the Department of Fine Art was converted to provide offices and teaching space.

The cost of all renovations exceeded \$50,000.00.

#### University College

The entire third floor was renovated to provide offices, a graduate study area, women's washroom, and seminar-lounge area complete with furnishings for the Department of Spanish and Italian.

One lecture room was converted and furnished to provide four additional offices.

This conversion cost \$42,000.00.

#### ALTERATIONS TO GROUNDS

Health Sciences and Springett Parking Lots were paved during the year. A parking lot for the construction personnel was established near the Springett Lot. A parking lot was constructed adjacent to the Althouse College of Education.

Sidewalks were constructed as follows:

West from Talbot College to South of University College, from Middlesex College to the Collip Medical Research Laboratory, along the front of Delaware Hall, from Sydenham Hall to the Bridge, from the South end of the Huron Parking Lot to Western Road, and at the Glenmore Residences.

Lighting was installed for the two football practice fields on Huron Drive near the J. W. Little Memorial Stadium to provide increased illumination for evening practices.

Illuminated signs were installed at all main campus buildings for identification purposes.

## PLANNING

In addition to the planning associated with the projects which reached the tendering and construction phases during the year, members of the Department served on the planning committees of the following projects:

### Recreational and Athletic Building

It is proposed to erect a centre for winter sports on the North East corner of the Western Road, Sarnia Gravel Road intersection. The building will house an ice rink with spectator seating, curling rinks, an indoor track, multi-purpose recreational areas, and associated dressing rooms.

The estimated total project cost is \$1,600,000.00, and the schedule indicates a start of construction in 1972 with completion early in 1973.

### Natural Sciences Library Addition

This expansion will add two levels of book stacks and a second reading room above the present facility in the Natural Sciences Centre. The 10,500 assignable square feet addition has an estimated total cost of \$567,000.00 and construction is expected to begin in early 1972.

### Faculty of Science Chemistry Addition and Biology Addition

Preliminary detail planning meetings were held for these two projects late in the year. The estimated cost of the 98,500 assignable square feet for both additions is \$6,886,500.00.

### Health Sciences

Preliminary plans for the Animal House Addition portion of Phase I of the Health Sciences Expansion program were developed to the approval stage.

### McIntosh Art Gallery Addition

Preliminary meetings were held to prepare planning in connection with the proposed \$247,500.00, 5,500 assignable square feet addition to the McIntosh Memorial Building.

DEPARTMENT OF ATHLETICS

## Report of the Director

MR. J. P. METRASMEN'S INTERCOLLEGIATE SPORTS

The Department of Athletics competed in all twenty sports conducted by the Ontario-Quebec Athletic Association. While the keystone of the program is broad participation, nevertheless one of the measurements of success has to be the degree of excellence attained.

A listing of the results of Western teams and individuals shows that the record of championships this year is the best in many years for our Mustang representatives and, in fact, the best of all twelve universities in the O-Q.A.A. Highlighting these titles was the Harrier team winning the Canadian Intercollegiate Athletic Union Championship, followed by the Volleyball squad's second-place finish in Canada. The Wrestling team, coming through with a win in the final bout, tied with Waterloo for O-Q.A.A. honors. The Badminton team, for the first time in history, won the O-Q.A.A. Championship while the squash team went undefeated to win the O-Q.A.A. cup.

In all, Western took five O-Q.A.A. team championships, fourteen individual O-Q.A.A. championships and three Western Division titles. Five teams enjoyed second-place finishes, two were third, four were fourth, and three others placed fifth.

Western, in cooperation with the Highland Golf Club, played host to the O-Q.A.A. Golf Championship, involving some sixty top-notch golfers for two days' play. The Western Division Tennis Championships as well as the ensuing East-West playoff for the O-Q.A.A. Tennis Championship were also held on campus. The addition of three new tennis courts aided greatly in this regard. The six squash courts in Alumni Hall were the scene of three days' play for the O-Q.A.A. Squash Championships in February.

Recognition for Intercollegiate athletes was given at the Awards Banquet in April. First Colors were awarded to 177 men while another 126 qualified for Second Colors. Feature award of the evening was the presentation of the Dr. Claude Brown Memorial Trophy to wrestler Ole Sorensen. This is voted "to the student who, in the opinion of the selection committee, made the greatest contribution to Athletics within the University".

Purple Blankets for five First Colors were given to Will Hawryliw for tennis and squash, and to Al Baran, for football and wrestling. Twenty athletes received Bronze "W"'s for Three First Colors.

Kerry Short was the O-Q.A.A. individual champion in golf and the winner of the McCall Trophy. Peter Gudewill took the Molson Trophy for the O-Q.A.A. individual squash championship. The H. R. Little Trophy for the O-Q.A.A. Harrier was received by Chris Bolter. The Forsyth Volleyball Championship trophy was accepted by Roy Perovich while Will Hawryliw accepted the Martin Trophy, emblematic of the O-Q.A.A. Squash team title. The Jemmett Trophy for O-Q.A.A. Badminton team supremacy was given to captain John Krause, who, along with John Gilbert, also won the O-Q.A.A. Doubles Championship. The wrestling team accepted the Porter Trophy as co-champion.

A special award was made to honor Dr. Duncan A. McLarty for his twenty-three years of service to athletic administration at Western. Upon his retirement from the Athletic Directorate he was presented with a Bronze "W" and also awarded an Honorary Life Membership in the Athletic Association.

A new award was accepted on behalf of the Athletic Association by the president, Dr. Al Mikalachki. It was the Dr. Vincent A. Callaghan Trophy, donated by the "W" Club to honor the late University team physician. It is voted annually to the most valuable lineman on the football team.

MOST VALUABLE PLAYER AWARDS

John Metras Trophy (Basketball)  
George Oliphant Trophy (Wrestling)

Duncan McLarty Trophy (Soccer)

- Bruce Dempster  
- Ole Sorensen  
- Norm Corrin  
- Ron Misurka

John Metras Sportsmanship (Football)	- Ed Scorgie
George McCullagh Trophy (Football)	- George Hill
Vincent Callaghan Trophy (Football)	- Larry Bird
Murray McNie Trophy (Track & Field)	- Grant McLaren
Peter Fowler Trophy (Swimming)	- Ken Fowler
King's Cup (Fencing)	- Milan Plentai
Circle "K" Trophy (Hockey)	- Bob Jeffery
Robert McChesney Trophy (Hockey)	- Al Lockhart
Claude Brown Trophy (Overall)	- Ole Sorensen

TEAM AWARDS

Harrier	- H. R. Little Cup for O-Q.A.A. Championship
	- C.I.A.U. Championship
Volleyball	- Jim Forsyth Trophy for O-Q.A.A. Championship
Wrestling	- Porter Trophy for O-Q.A.A. Co-championship
Badminton	- Jemmett Trophy for O-Q.A.A. Championship
Squash	- Harold Martin Trophy for O-Q.A.A. Championship

INDIVIDUAL O-Q.A.A. CHAMPIONS

Golf	- Kerry Short	- McCall Trophy
Swimming	- Ken Fowler	- 100 m. breaststroke
		- new record of 2.19.8 in 200 m. breaststroke in C.I.A.U.
Track & Field	- Ray Anthony	- new record of 6'6" in High Jump
	- Grant McLaren	- new record of 3.46.4 in 1500 m.
		- new record of 9.10.4 in Steeplechase
		- first in 5000 m.
		- first in Harrier
Squash	- Peter Gudewill	- Molson Trophy
Badminton	- John Krause and John Gilbert	- Doubles Champions
Wrestling	- Norm Corrin	- 167 lb. class - also C.I.A.U. Champion
	- Guy Zink	- 118 lb. class
	- Roger Boisvert	- 134 lb. class
	- Don Panagapka	- 177 lb. class

ALL-STAR RECOGNITION

Football	- Steve Derbyshire	- defensive end
	- Mike McMahon	- outside linebacker
	- Larry Bird	- defensive tackle
	- Jim Budge	- defensive half
	- George Hill	- centre linebacker
	- John Stirling	- outside linebacker
	- Pete Werry	- defensive half
Basketball	- Bruce Dempster	- guard
	- Al Brown	- centre
	- Marnix Heersink	- forward
Hockey	- Dick Oudekerk	- 2nd team defence

RECORDS OF MEN'S INTERCOLLEGIATE SPORTS - 1970-71

COACH					
<u>Football</u>	F. Cosentino	Overall	won 5	lost 4	
		League	won 5	lost 2	
		Finish:	- second in O-Q.A.A.		
<u>Soccer</u>	S. Hill	Overall	won 4	lost 2	tied 2
		League	won 4	lost 3	tied 3
		Finish:	- second in Western Section		
<u>Rugger</u>	A. Wilson	League	won 8	lost 1	
		Finish:	- first in Western Division		
			- lost playoff to Queen's		

<u>Basketball</u>	J. Gonser	Overall	won 10	lost 11	
		League	won 7	lost 4	(incl. playoff for 2nd place)
		Finish:	- third in Western Division		
<u>Hockey</u>	R. Johnstone	Overall	won 6	lost 11	tied 3
		League	won 4	lost 8	tied 3
		Finish:	- fourth in Western Division		
<u>Volleyball</u>	D. Decker	League	won 42	lost 8	
			- first in Western Division		
			- won O-Q.A.A. Championship		
			- placed second in C.I.A.U. Championship		
<u>Golf</u>	D. Decker	Team placed fourth - won Individual Championship			
<u>Tennis</u>	D. Decker	Team placed second in Western Division			
<u>Rowing</u>	P. Fitz-James	Team placed second in O-Q.A.A.			
<u>Track &amp; Field</u>	B. Vigars	Team placed second - won four Individual Championships			
<u>Harrier</u>	B. Vigars	Team won O-Q.A.A. and Individual Championships - C.I.A.U. Championship			
<u>Squash</u>	J. Fairs	Team won O-Q.A.A. and Individual Championship			
<u>Wrestling</u>	G. Leyshon	Team tied for O-Q.A.A. Championship - won four Individual Championships			
<u>Swimming</u>	B. Eynon	Team placed fifth in O-Q.A.A. - won two Individual Championships			
<u>Waterpolo</u>	W. Tausendfreund	Team placed fourth in Western Division			
<u>Badminton</u>	D. Decker	Team placed first in Western Division title and won O-Q.A.A. Championship - won doubles Championship			
<u>Gymnastics</u>	B. Vigars	Team placed third in Western Division			
<u>Fencing</u>	B. Foxcroft	Team placed fourth in O-Q.A.A.			
<u>Curling</u>	D. Decker	Team placed fourth in Western Division			
<u>Skiing</u>		Team placed fifth in Alpine Division of O-Q.A.A.			

OVERALL RECORD

- five O-Q.A.A. Team Championships
- fourteen Individual O-Q.A.A. Championships
- three Western Division Championships
- five second place finishes
- two third place finishes
- four fourth place finishes
- three fifth place finishes



PHYSICAL RECREATION AND INTRAMURAL SPORTS

Report of the Director

MR. R. E. ZEISNER

The academic year 1970-71 was the beginning of a period of rapid growth in the four areas of the program of Physical Recreation and Intramural Sports. These areas were: (a) instructional classes; (b) intramural sport competition; (c) Sports Clubs; (d) unstructured free time activities.

INSTRUCTIONAL CLASSES

Short, non-credit courses in thirteen different recreational sports activities were offered to students (and Staff, Faculty, Alumni and their families in a few cases). Many courses introduced the beginner to skills and rules involved in the activity. Some provided the more advanced person with further instruction, while others prepared students for qualifying examinations in such activities as swimming, water safety, figure skating and officiating of volleyball and basketball.

The twenty-four instructors who worked in the program deserve commendation. With diligence, resourcefulness and enthusiasm, they achieved success despite poor weather conditions outdoors and overcrowding indoors. Twenty instructors were students of this University, three were Faculty members and one was a golf professional from a local golf course.

The table below is a summary of the courses offered, number of sections of each, and registration totals.

<u>Activity</u>	<u>No. of Sec.</u>	<u>Registration</u>		
		<u>Women</u>	<u>Men</u>	<u>Total</u>
Archery for all	1	13	7	20
Golf for Beginners	1	12	12	24
Tennis for Beginners	1	26	10	36
Advanced Tennis	1	18	10	28
Handball for Beginners	1	0	11	11
Squash for Beginners	3	14	22	36
Paddleball for Beginners	1	0	12	12
Swimming for Beginners	8	91	59	150
Swimming - Stroke Improvement	1	6	3	9
Leader Patrol Award	1	17	16	33
Bronze Medallion	1	20	12	32
Synchronized Swimming	1	53	0	53
Keep Fit for Women	1	37	0	37
Creative Dance for Beginners	1	33	3	36
Advanced Creative Dance	1	22	2	24
Basketball Officiating	1	6	0	6
Volleyball Officiating	1	12	0	12
Skating for Beginners	1	9	6	15
Figure Skating and Dancing	1	26	2	28
	<u>Totals</u>	<u>415</u>	<u>187</u>	<u>602</u>

INTRAMURAL SPORTS COMPETITIONSMEN

The following table summarizes the activities and the number of competitors involved in the 1969-70 and 1970-71 Winter terms:

<u>Activity</u>	<u>Number of Participants</u>	
	<u>1969-70</u>	<u>1970-71</u>
Archery	---	5
Lacrosse	---	60
Tackle Football	200	200
Touch Football	---	80
Golf	53	107
Track and Field	47	96
Tennis, Singles	28	48
Doubles	30	16
Cross Country Run	35	40
Volleyball	70	96
Basketball	225	360
Bowling, 5-Pin	122	194
10-Pin	183	154
Table Tennis - Singles	37	70
- Doubles	44	44
Hockey	375	432
Squash League	56	63
Singles	19	39
Paddleball League	42	50
Singles	25	25
Doubles	20	32
Waterpolo	94	66
Badminton, Singles	32	25
Doubles	38	36
Swimming and Diving	38	48
Handball, Singles	19	22
Doubles	16	68
Wrestling	<u>39</u>	<u>32</u>
<u>Totals</u>	<u>1,887</u>	<u>2,508</u>

A new organizational structure for Intramural Athletics is being prepared by the Men's Intramural Advisory Committee (M.I.A.C.). It will encourage expansion of the program both in types and levels of competition. It is anticipated that any problems in the new system will be ironed out next year in time for the opening of the second phase of the University Community Centre. This building will allow for tremendous growth in the recreational program.



WOMEN

The Women's Athletic Council (W.A.C.) decided last year to eliminate some activities, add some new ones and improve the quality of competition. The net result was a substantial increase in the number of participants. The table below illustrates this.

<u>Activity</u>	<u>Number of Participants</u>	
	<u>1969-70</u>	<u>1970-71</u>
Archery	48	12
Golf	0	5
Badminton	10	21
Basketball	172	375
Bowling	21	50
Field Hockey	23	0
Paddleball	0	11
Softball	20	0
Squash	0	3
Swimming and Diving	10	0
Synchronized Swimming	4	0
Tennis, Singles	6	38
Volleyball	164	208
	<u>Totals</u>	<u>478</u>
		<u>723</u>

SPORTS CLUBS

The number of clubs with which the Athletic Department was directly involved rose from nine to twelve last year with a total membership of approximately 1,300. The involvement includes financial subsidization and provision of facilities and skilled instructors where necessary. The Clubs, with their memberships, are as follows:

Aikido Club - 12	Gymnastics Club - 30
Archery Club - 30	Fencing Club - 18
Badminton Club - 50	Judo Club - 64
Bowling Club - 33	S.C.U.B.A. Club - 35
Cricket Club - 18	Ski Club - 650
Curling Club - 340	Synchronized Swim Club - 25

These clubs play an important role in the recreational program as well as the social life of a campus.

UNSTRUCTURED FREE TIME ACTIVITIES

For this part of the program, equipment and facilities are made available as often as possible for informal recreational activity. These activities are as varied as the interests of the members of the community who come from many different backgrounds and, literally, from all parts of the world.

Swimming continues to be most popular. Attendance records show over 24,000 visits to the pool between September 1, 1970, and April 30, 1971. Squash and handball courts, gymnasias and tennis courts are used to the fullest extent. Such facilities as the outdoor ice rink, the exercise rooms and the track serve a substantial number of persons as well.

Student involvement in all aspects of the organization and administration of the recreational program is extremely gratifying. It is impossible to overstate the importance of the leadership roles filled so willingly and competently by our students.



UNIVERSITY ATHLETIC ASSOCIATION

Report of the President

DR. A. MIKALACHKI

The year 1970-1971 has been one of growth and development in athletics at Western. Some major policy decisions made in the past have borne fruit in this year, particularly those regarding budget rationalization and the Intramural-Recreation Program. From a developmental point of view, significant strides forward were taken in obtaining new facilities for athletics and in reorganizing the structure of athletics at Western. The remainder of this report will be an elaboration of the achievements and progress made regarding budget rationalization, Intramural-Recreation Program, facilities acquisition, and integration of PHE and Athletics.

BUDGETS

The excellent work of previous directorates has resulted in a meaningful budgetary process for Intercollegiate and Intramural Athletics. This process is one in which budgets are initially formed at the grass roots level, that is, involving coaches and those who are administering recreational and intramural programs. From there, Mr. J. P. Metras, Athletic Director and his Co-ordinating Committee develop an integrated budget which is scrutinized by an Athletic Directorate Budget Committee. The Directorate Budget Committee then presents the budget to the Athletic Directorate which has de facto responsibility for approval. This process allows all concerned bodies an opportunity to make a significant input into the budget for athletics at Western.

There are still a few problems attached to the athletic budget that must be resolved in the near future. One problem deals with the Athletic Clubs, e.g. skiing, flying, sky-diving, etc., which are making requests for financial support. There is no clear policy which indicates which clubs will be recognized as athletic clubs and to what extent these clubs will be financially supported. The Clubs problem dovetails into the second and quite important budgetary problem of the amount of revenue available to finance the various demands made on the Directorate. With growing programs and increased physical facilities coming on campus, it would appear that the total athletic budget, taking into account the anticipated future growth in that budget, will not be sufficient in the year 1975 to finance the program that will likely be developed at that time. Consequently either additional financial resources must be obtained, or a process of curtailing the athletic programs offered must be considered. Those who deal with athletics in the future must begin the process of establishing priorities regarding the activities to be supported in anticipation of the budgetary squeeze that will probably be experienced by 1975.

INTRAMURAL AND RECREATION PROGRAM

The Intramural and Recreation Program has flourished in this past year under the primary direction of Mr. Bob Zeisner. This program is addressed to the entire university community. It takes into account alumni, student, staff, administration and faculty members and their families. The program ranges from a "learn to swim" opportunity for children to a senior men's informal squash tournament for those who move at slower speeds.

The Intramural Program has had the highest student participation that has ever been exhibited in such a program at Western. This flourishing program reflects the efforts of those in the Directorate who have worked strenuously and effectively to get a full-time Intramural Recreation director and to see that such a program is supported at Western.

There is a trend, one would guess in Canada and more certainly at The University of Western Ontario, in which Intramural Recreational Athletics are gaining in importance in the total athletic program. It is this program which will require significantly increased financing in the future and which will require major policy decisions regarding the type of athletic activity to be supported at Western.

## FACILITIES

Two major facilities attained University approval in this past year. The first relates to the University Community Centre in which additional recreational and intramural facilities were to be incorporated. Specifically, a gymnasium, a pool, an individual exercise room, two handball-paddleball courts, six squash courts and locker and shower rooms will be incorporated into the University Community Centre. These facilities are to be used primarily for intramural-recreation activities. Physical education classes and intercollegiate athletics will not be utilizing these facilities except by specific approval of the U.C.C. Directorate. A separate intramural-recreation building and program which is addressed to more spontaneous athletic desires is a major step forward in satisfying present and future trends in Athletics at Western.

A much needed winter complex has been approved by SCUD and is at the stage of being defined by a Sector Planning Committee. This facility will house an ice surface and possibly track and field, curling, and exercise room facilities. This has been a much needed facility on our campus.

Mr. J. P. Metras and his Co-ordinating Committee are to be commended for the excellent work they have done in obtaining the facilities. With very little time Mr. Metras and his Committee developed meaningful proposals regarding new facilities and were quite instrumental in seeing that these facilities were approved.

## INTEGRATION OF PHE AND ATHLETICS

The relationship of PHE to Athletics is analogous to the relationship of the teaching of medicine to the practice of medicine. Athletics is the practical extension of PHE and deals with the application of physical skills, social skills (man's relationship to man), ethical values (sense of fair play), and discipline (directing one's self towards a given purpose). Given this primary belief, the Athletic Association, on April 8, 1968, unanimously approved a proposal for integrating Athletics and Physical Education.

As a result of an excellent report prepared by Dean W. J. Dunn regarding the integration of Athletics, the Senate approved in principle of such an integration. Dean Dunn and his committee are to be commended for the comprehensive job they did in defining the problems in the PHE-Athletics area and developing a comprehensive organization to cope with those problems. Essentially the future should have PHE and Athletic personnel working jointly with common facilities to develop and execute a common program. Such a program would reflect the desires and needs of those who wish to engage in athletics and the theoretical and practical understanding of those who have made athletics their profession. Western undoubtedly will stand out as a locale in which the teaching and practice of physical education is seen as an inextricable unity and has resulted in a program of unparalleled excellence.

In closing I would like to thank the members of the Athletic Directorate for their diligence in developing feasible policies regarding Athletics at Western. These policies have contributed significantly to an improved program of athletics for the university community. I would like to name the members who are leaving the Directorate and in so doing, thank them for their contribution in this past year and in previous years. Those leaving the Directorate this year are Mr. J. Fabiani, Mr. B. Henderson, Miss C. MacGillivray, Dr. D. A. McLarty and Mr. D. Prentice. Also I would like to thank Mr. J. P. Metras, the Director of Athletics and his Co-ordinating Committee, Mr. Bob Zeisner, Mr. Dutch Decker, and Mrs. Gale Funston for the efficient manner in which they executed the policies and general programs defined at the Directorate level.

I would like formally to note the efforts of Mr. Rob MacKenzie who has served as Vice-President of the Athletic Directorate for the past two years. Mr. MacKenzie's profound concern for the athletic needs of those in the university community has resulted in numerous excellent decisions made at the Directorate level. With unrestrained zeal, he has brought to the Directorate's attention numerous significant problems which were resolved successfully mainly due to the efforts of Mr. MacKenzie.

Finally I would like to single out Dr. D. A. McLarty who is leaving the Directorate after some twenty odd years of service. His sincere concern with the problems of Athletics and his perspective regarding these problems have made for a better program of athletics at Western. His contribution to athletics was symbolically recognized by the Directorate through the awarding of a bronze "W" at the Men's Intercollegiate Awards Banquet.

ALUMNI ASSOCIATION

## Report of the President

MR. DON SCOTT

I found my position as President of the Alumni Association of The University of Western Ontario for 1970-71 a happy, informative, enlightening and very busy year. It is a pleasure for me to report on the Alumni activities while I was President because I feel they were important. Progress was made in many areas. With over 36,638 Alumni, the Association is continuing its efforts to improve ties between the University and its graduates.

Perhaps the one most important and continuing activity of the Alumni Association is the Great Artists' Concert series. It is a testimony to the interest in Western shown by its graduates. Mr. Ken Murray, Mr. Jim Chick, and Mr. Fred Norwood have given this University a reputation that is even growing beyond the shores of this continent. Alumni Hall was host to Paul Mauriat and His Orchestra (French), Canned Heat (American), Jacques Loussier (French), I Solisti di Zagreb (Yugoslavian), Gordon Lightfoot (Canadian), Bayanihan Philippine Dance Company (Philippine), Vienna Choir Boys (Austrian), Branko Krsmanovich Chorus (Yugoslavian), Andres Segovia (Spanish), Preservation Hall Jazz Band (American), Cleveland Orchestra (American), Red Army Singers (U.S.S.R.), and the East Georgian State Dancers (U.S.S.R.). Western has every right to be proud of such a high calibre cultural season.

Spring Festival had as its guest patrons this year Mr. and Mrs. Louis Applebaum. Mr. Applebaum is Executive Director of the Province of Ontario Council for the Arts. The reception, banquet and concert by the Cleveland Symphony were marred only by an untimely snow storm.

The quality of life on campus has been further enhanced by the growth of the Alumni Art Collection. Three works of art were added to the collection in 1970-71: Triptych by Ron Martin; Beach-Hcaeb by Michael Snow; and View From The Left Centre Window Of The North Wall by Londoner, Greg Curnoe. Dr. Marty Robinson is to be commended for another year of avid enthusiasm in coordinating the purchase of these works.

Another project that came to fruition while I was president is the illuminated street and building signs. These permanent fixtures will prove a benefit to Western, not only as a service to people on campus but also to the community. They will prove particularly helpful during Convocation and in the summer when many people attend conferences at Western.

A project that has been in operation for several years saw completion in 1970-71. The Alumni Office officially went on computer with its files on all of our graduates. The use of computer records is one that will increase the efficiency of Alumni work making it possible to improve University liaison with its Alumni. The staff of the Alumni Office, and in particular, Miss Doreen Burr, Administrative Assistant, are to be congratulated for their work.

The Alumni Gazette continued in its top quality and proceeded to improve. Published three times a year it has received praise from every corner of the world in which our graduates are located. Its new feature, "Where You're At", listing our graduates by geographical area has proved a great success.

A new approach to fund raising was inaugurated with the "Tree of Peace", in conjunction with Homecoming. It is under development by Mr. Ward Cornell and promises to further the policy of giving greater opportunity for Alumni to involve themselves in new and exciting projects.

Efforts to keep Alumni across Canada informed about Western were further developed in 1970-71. The Toronto Alumni College Lecture Series continued with an excellent and provocative talk on Northern Development given by Richard Rohmer. Dr. Edward G. Pleva of the Department of Geography spoke to the Alumni Club in Windsor. Dr. Pleva also joined Mr. G. C. McDonald, Director of Alumni Affairs, and myself when we travelled north and west to visit Alumni Clubs in Sault Ste. Marie, Thunder Bay and Winnipeg. On a second trip to Calgary, Vancouver and Edmonton, I was joined by Dr. Harold B. Stewart of the Department of Biochemistry and Mr. Evan Browne, Editor of the Alumni Gazette. The hospitality shown us at all times was truly heartening and greatly appreciated. Once again the value of the tours was shown in the invaluable two-way communication with the Alumni across Canada.

The Alumni Association again sponsored one of Western's biggest festivities, Homecoming. My wife, Margot, and I had the pleasure of accompanying Dr. and Mrs. D. C. Williams on the Homecoming Tour to visit the various class reunions. This year the educational activities were further increased by the first Homecoming Nursing Conference held to celebrate the 50th Anniversary of Nursing at Western.

The third annual Live-In, held in conjunction with the Alumni Annual Assembly in May, was a great success. This event is showing increased potential for attracting Alumni back to the campus for a fine blend of informative, social and educational functions.

The Alumni Association chose the occasion of the '71 Live-In to pay honor to three outstanding alumnae by presenting color portraits of Dr. Helen M. B. Allison, Dr. Leola E. Neal and Dr. A. Dorothy Turville to the University. This was our way of underlining the great contributions made by these gracious ladies to every element of the University, the faculty, the staff, the students and the alumni. Dr. R. N. Shervill, Executive Assistant to the President, accepted the portraits on behalf of Dr. Williams and they now are suitably displayed in Delaware Hall women's residence.

In the spring of the year I was pleased to represent the Alumni Association at the first anniversary assembly of the W. Sherwood Fox Public School, which was named in honor of the distinguished scholar and gentleman who served as Western's President from 1927 to 1947. To mark the occasion I presented six books written by Dr. Fox to the school library. These books are:-

Sherwood Fox of Western  
Silken Lines and Silver Hooks  
The Bruce Beckons  
St. Ignace, Canadian Alter of Martyrdom  
T'ain't Runnin' No More, Twenty Years After  
A Century of Service, A History of Talbot Street Baptist Church,  
1845-1945

All contain special book-plates recording the event.

As initiated in 1968, the policy of inviting members of the University community to attend Executive Council meetings was continued for 1970-71. Dr. Robert E. Lee, Chief Librarian; Mr. A. K. Adlington, Vice-President (Administration and Finance); Mr. Ward Cornell, Alumni Fund Development Coordinator; and Mr. John Croft, Community Relations Officer, all attended meetings. Gino Lorcini, Resident Artist, also invited the Council to a tour of the McIntosh Gallery to see some of his works and his workshop.

It is with a sense of satisfaction that the Alumni Association has watched the University Community Centre become a reality. This project has carried the enthusiastic support of the Association perhaps more than any other this year.

Another area to receive considerable attention in 1970-71 was the review of the U.W.O. Act (1967). Here again the Alumni feel that they have had a contribution to make. The changes that have been proposed by the Alumni reflect their desire to contribute to the operation of the University in the areas of policy and decision making. It is to this end that the Alumni strive to make a full and worthwhile contribution in the governing process of the University.

Finally, I would like to thank all those Alumni whose efforts and planning have helped in a very substantial way during the past year. I would be remiss if I did not thank Mr. G. Campbell McDonald, Director of Alumni Affairs, for all the help and assistance he gave me during my term as President. The other members of the secretariat provided equal and much appreciated help.

It has been an exciting year, frustrating at times, but the Alumni did move forward with the University.

JOINT McINTOSH COMMITTEE

## Report of the Secretary

DR. W. S. TURNER

At the meeting of the Joint McIntosh Committee on Tuesday, January 25, 1971, permission was given for the McIntosh Collection to be loaned to other galleries from time to time. It has been a busy year for the Gallery. Additional efforts were made to encourage students and people from the community to visit the McIntosh Gallery. Among the many successful exhibitions shown during the year, the Rothmans 3rd Collection of Contemporary French Tapestries and the work of Francoise André, drew praise from many who visited the Gallery.

Several paintings were purchased during the year and a donation, the gift of Mrs. C. S. Band of an oil painting by J. W. G. MacDonald entitled "Sombre Dusk" was gratefully accepted by the Committee. A portable exhibition of watercolors by Charles Collings (c. 1900) was arranged and installed in Stevenson Hall. Paintings were hung in the Medical Building and exhibitions were arranged in the new Fine Art Building and in Talbot College.

In the year 1970-71 the Joint McIntosh Committee approved the following allocations of funds under the terms of the Will:

a) for prizes in Business Administration	\$ 850.00
b) for Public Speaking	500.00
c) for Geography	1,000.00
d) for the promotion of Music	1,000.00
e) for the purchase of pictures	3,400.00

Mr. Gino Lorcini held Open House when the studio was opened each Thursday and at other times coincidental with special events in the Gallery. There was an increase in attendance by the general public as well as members of the University community. Groups such as the Alumni Council, London Art Gallery Docents and Ontario Art Gallery Directors visited the studio for tours, talks and demonstrations. An informal evening course for U.W.O. students continued throughout the year. Its aim was to provide individuals with experience in composition and form as well as an understanding of the Creative Process and its role in a technological society.

McINTOSH GALLERYEXHIBITION SCHEDULE 1970-711970

September 23 - October 11	Fine Art Faculty (West Gallery) Michael Durham (East Gallery)
October 14 - October 30	Victor Tolgesy (Both Galleries)
November 4 - November 15	The Man-Made Object (West Gallery) Tolgesy Sculpture (East Gallery)
November 18 - December 11	Japanese Culinary Pop (West Gallery) John O'Henly (East Gallery) Duncan Bequest (East Gallery)

1971

January 6 - January 17	Robinson-Ondaatje (West Gallery) Recent University Portraits (East Gallery)
January 20 - February 14	Dutch Graphic Art (West Gallery) Rudolph Bickers (East Gallery) Han Seur (Foyer)
February 17 - March 2	Contemporary French Tapestries (Both Galleries)
March 5 - March 21	Mansaram Panchal (West Gallery) David Blackwood (East Gallery)

March 24 - April 13	George Rackus (West Gallery) Gino Lorcini (East Gallery)
April 15 - April 25	4th Year Fine Art Studio Thesis
April 28 - May 23	Francoise André (West Gallery) Mike Bidner-Wyn Geleynse (East Gallery)
June 1 - September 5	University Collections

ACQUISITIONS

UNIVERSITY PURCHASES: 1970-71

Alumni Fund

#527	Greg. Curnoe	Acrylic on Wood Panel 73-1/2 x 50-3/8	View From The Left Centre Window on the North Wall
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Society of Graduate Students Fund

#524	Kim Ondaatje	Serigraph 26/50 31-7/8 x 23-7/8	White Chair (From the House on Picadilly St. Series)
#525	Kim Ondaatje	Serigraph 46/50 35-1/2 x 24	Cupboard (From the House on Picadilly St. Series)
#526	Kim Ondaatje	Serigraph 30 x 24	Bedroom (From the House on Picadilly St. Series)

McIntosh - Curator Fund

#471	Roly Fenwick	Watercolor 19-3/4 diam.	The Sound of Night
#479	John O'Henly	Ink Drawing 16 x 13-1/2	The Shaft (D670)
#483	Terry Hughes	Ink/Watercolor 15 x 10	Untitled
#485	Tony Urquhart	Ink, 8-7/10 x 11-3/10	Untitled
#518	Rudolf Bickers	Monoprint, 17-1/2 x 24	In Space
#519 1-31	Han Seur	31 Serigraphs each 25 x 18-1/2	Album
#522	David Blackwood	Etching (A/P) 32-1/2 x 21	Survivor Wandering
#523	Duncan deKergommeaux	Acrylic (6 panels - each 30 x 30)	My Rainbow
* #528	Michael Bidner	Collage 27-1/4 x 43-1/4	The Silence of His Mission- The Stillness of His Mind
* #529	Wyn C. Geleynse	Drawing - Pencil, crayon, ink, 42-3/4 x 34-1/2	Oranges #3

Residence Fund - Saugeen-Maitland

#468	Don Bonham	Etching 3/25 17-1/2 x 21	Midpu
#469	Don Bonham	Woodcut 2/18 18 x 36	Midpu
#470	Penny Moore	Oil, 34 x 50	Untitled

\* Pending Confirmation



#473	Rudolf Bickers	Serigraph 4/10 5-1/4 x 5-1/4	Module I
#474	Rudolf Bickers	Serigraph 1/10 5-1/2 x 5-1/2	Module II
#475	Rudolf Bickers	Serigraph 4/10 5-1/4 x 5-1/4	Module III
#476	Rudolf Bickers	Serigraph 9/10 5-1/2 x 5-1/2	Module IV
#477	Rudolf Bickers	Etching/Aquatint 2/20 18 x 14	Untitled
#478	Penny Moore	Silkscreen 22-1/2 x 17-1/2	Untitled
#480	Ray Robinson	Charcoal Drawing 15 x 11	Untitled
#481	Terry Hughes	Drawing - Pencil/wc/chalk 22 x 24	Untitled
#482	Michael Durham	Drawing, 15 x 16	Untitled
#484	Gino Lorcini	Aluminum Structure 22 x 48	Quadrille
#486	Richard Bonderenko	Acrylic, 61 x 61	#4 April 20, 1970
#487	Duncan deKergommeaux	Acrylic, 72 x 24	Untitled
#488	Duncan deKergommeaux	Silk Print Banner	Untitled
#489	Reg Holmes	Acrylic, 34-3/4 x 82-1/2	"R-9"
#490	Richard Anuszkiewicz	Silkscreen 109/125 23-3/4 x 23-3/4	Spectral Square
#491	Mercedes Horne	Acrylic, 35-3/4 x 37-3/4	Sing Me Pink
#492	M. White-Beaven	Painted Relief 36-1/4 x 36-1/4	Quantum 4
#493	E. Bartram	Print 2/20 27-1/2 x 21-1/2	Artica
#494	Victor Vasarely	Serigraph 133/150 26-3/4 x 13-1/2	Eridan (Black & Gold)
#495	Mansaram Panchal	Silkscreen, 48 x 48	Rear View Mirror #2
#496	Greg Curnoe	Oil, 47-3/4 x 71-1/2	Skimming Stones
#497 A, B	George Rackus	Aluchromie (2 panels) 48 x 96	Composition
#498	Terry Cosgrove	Acrylic - 4 panels various sizes	Complex of Four
#499	Gerald Sevrier	Oil, 42 x 48	Ancient Symbol #26
#500	Eric Atkinson	Painted Construction 24 x 23-3/4	Untitled
#502	Eqyvudluk (Eskimo)	Stonecut 34/50 19-1/4 x 21-7/8	Birdwoman
#503	Etidlooie (Eskimo)	Stonecut 34/50 18-7/8 x 22-7/8	Shaman's Dream
#504 to #515	T. M. Bidner	Metal Stamp Prints Portfolio of 12 (#10) Each 22-1/2 x 28-1/2	"Mr. Bradish"...

Miscellaneous Purchases: Medical Faculty

#516	Silvia Clarke	Pen/Wash Drawing 9-9/16 x 13-1/2	Old Medical Building
#517-R	Holbein Reproduction	Reproduction 35 x 30	Merchant?

Gifts to the University

#520	Sir Joshua Reynolds	Oil 49-3/4 x 39-3/4	Portrait of General John Hale
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THE COMPUTING CENTRE

## Report of the Director

MR. G. T. LAKE

Further growth in the demands for computing services and the capability of the Computing Centre to meet the demands have been observed in 1970-71. A significant expansion of the PDP-10 computer system has occurred. The core memory has been increased to 163,000 words, the disc memory augmented to a maximum storage capacity of 40 million words and 4 tape drives have been added. This expansion has not only speeded up and streamlined the operation of the system but has enlarged the range of projects that the system can handle. The number of remote printer terminals has been increased to 4 and the number of timesharing terminals reached a peak of over 50 during the year.

Additional capability to meet demand has been provided by the purchase of computer services off campus. This was begun as an experiment in 1969-70 and was sufficiently successful that it was made a regular service in 1970-71. The use of this facility has grown and it is now a significant part of the services available to the campus user.

The introduction of a new system of charging for computer services was effected at the beginning of the year. The Computing Centre was directed to recover costs by internal charging of these costs against the user department. Cost recovery in this manner is essentially more equitable, since computing costs are then borne by those departments using computer services rather than being shared by all university departments through central funding. The changeover, and the suddenness with which it was introduced, caused a conservative reaction which resulted in a deficit in the first few months of operation. During the latter half of the year revenues substantially recovered, however, and it is expected that recovery of costs will be successful in the coming year.

The following table shows the growth in academic use of computers at Western since 1964.

TABLE: Annual academic use of computers, 1964-1971

Fiscal Year	B A T C H						Time Sharing
	IBM 7040		PDP-10		RJE		PDP-10
	Hours	Jobs	CPU-hours*	Jobs	\$	Jobs	CPU-hours*
1964/65	2783	15872	0	0	0	0	0
1965/66	3081	17914	0	0	0	0	0
1966/67	4110	38138	0	0	0	0	0
1967/68	4827	64588	0	0	0	0	0
1968/69	5764	79599	n.a.**	n.a.	0	0	n.a.
1969/70	5814	64886	n.a.	n.a.	60,704	2,375	n.a.
1970/71	3858	36271	677	39462	236,384	10,834	392

\* CPU = Central Processing Unit

\*\* n.a.= not available



STATE OF CALIFORNIA  
COUNTY OF ...  
McDONALD A. E. (MCD)  
PICK UP AT FRONT DESK

DEPARTMENT OF INDIAN ARCHAEOLOGY AND PIONEER LIFE

## Report of the Curator

DR. W. WILFRID JURY

The year 1970-71 saw the termination of twenty-five years' of archaeological and historical activity in the Huronia district bordering the southern shores of Georgian Bay. It was in 1946 that Dr. W. Sherwood Fox, then President of The University of Western Ontario arranged with the National Museum of Canada that I should complete the work of W. J. Wintemberg, lately deceased, at the site considered to be that of St. Ignace, a Huron village where the Jesuits Brébeuf and Lalemant had met their death.

The following year, at the request of the Society of Jesus in Upper Canada, a site supposed to be St. Joseph or Teannaustaea was excavated and proved to be an early pre-contact site. In late summer, we moved our investigation to a nearby location which a preliminary examination indicated was the site of St. Joseph.

From 1948 until 1951, the central Jesuit mission-fort of Ste. Marie was excavated under the sponsorship of the Society of Jesus. Work also was commenced on the site of St. Louis, three miles distant, the scene of a final battle between Huron and Iroquois where Brébeuf and Lalemant were captured.

Since 1952, our headquarters have been the original Officers' Quarters at the former Naval and Military Establishments at Penetanguishene (1814-1856). The area has been excavated and developed from dense woods and ploughed fields to one of the most interesting historic sites in the province. The stone Officers' Quarters was opened as a Museum. This project was in cooperation with the town of Penetanguishene. A highlight here was the raising of H. M. Schooner Tecumseth built in 1815 from Penetanguishene harbour in 1953.

Excavations at St. Louis continued in 1952 and 1953 and in 1954, the Forget site, a pre-contact Huron village came under study. These digs were carried on chiefly by the Summer School of Indian Archaeology held annually until the completion of the Forget site in 1963. An average of twenty to twenty-five students attended the school each summer, supported by the Government of the Province of Ontario.

It was in 1954 too that the Huron Indian Village was built in Midland. It continues to be one of the major attractions in the Province.

Related to the Penetanguishene project and to complete the story of the War of 1812 in the area, the military route joining Kempenfeldt Bay and the Nottawasaga River, known as the Nine-Mile Portage was traced, and a Military and Naval depot on the headwaters of the Nottawasaga and a Naval Establishment at the mouth of the Nottawasaga were excavated between 1955 and 1961. This was a strategic supply line to the west during and immediately after the War of 1812.

In 1964, the reconstruction of Ste. Marie was commenced under my direction and in 1967, the reconstruction of the Naval and Military Establishments at Penetanguishene, under the sponsorship of the Government of the Province of Ontario. The commitment of The University of Western Ontario with the Province terminated on March 31, 1971, and the Curator retired formally from all projects under the Huronia Historic Development Council.

Extensive documentary research has been necessary for each of these undertakings. This has been carried on or directed by my wife Elsie McLeod Jury in libraries, archives and museums across Canada, Great Britain, United States, France and Italy.

The continuing support of the Board of Governors, the Administration and of many departments of the University has made this work possible and I am sincerely grateful to many of the faculty and staff of the University who have assisted so generously by contributing their time, knowledge and experience.

In the summer of 1970, the final buildings on the Military Establishment were completed. During the winter months, we were engaged in preparing reports, research files and maps to be turned over to the Huronia Historic Development Council on March 31, 1971. All equipment and tools were itemized and remain on the Penetanguishene site.

After March 31, the Curator spent several weeks renovating and remodelling buildings and displays at the Fanshawe Pioneer Village which houses the University's pioneer collections. The developing value of the Village for the many educational institutions in the district is most

gratifying. Similar work was carried on in June at the Huron Indian Village. These two projects remain under the direction of the Curator.

The gun collection, the model Neutral Indian Village and pioneer scenes and the displays of Indian artifacts in Middlesex College continue to be of interest to students and are visited by many school classes. Students working on various historical subjects are given assistance throughout the academic year and items from the collections are utilized in many ways.



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 accompanies each medal, an innovation instituted in 1967.

The 1971 winners of the President's Medals are:

Single Poem:	Paulette Jiles, "A Letter to Grandad on the occasion of a letter from my mother saying grandad is too infirm to feed the cows and is not long for this world", in <u>Tamarack Review</u> .
Short Story:	W. D. Valgardson, "Bloodflowers", in <u>Tamarack Review</u> .
Scholarly Article:	J. W. Graham, "Point of View in the <u>Waves</u> : Some Services of the Style", in <u>UTQ</u> .
General Article:	Michael Macklem, "A Book a Mile", in <u>Tamarack Review</u> .

The members of the Awards Committee this year were: J. W. Graham, J. R. Gwynne-Timothy, J. Havelka, J. F. Macpherson, H. W. R. Newman, A. M. Schrecker, B. O. Singer.

APPENDIX A

STAFF CHANGES



STAFF CHANGES

Appointments, Promotions, Leaves of Absence - Effective July 1, 1970  
unless otherwise stated

Resignations, Retirements, Return from Leaves of Absence - Effective  
June 30, 1971, unless otherwise stated

FACULTY OF ARTSAPPOINTMENTSGeneral

Raymond, A. E.	Acting Assistant Dean of Arts
Rose, G. S.	Assistant Dean of Arts

Department of Classical Studies

Avotins, I.	Associate Professor
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Department of English

Arnold, L. E.	Assistant Professor
Barker, A. E.	Professor of Renaissance English
Bell, B. J.	Instructor
Carmody, T. F.	Assistant Professor
Cranston, P. M.	Instructor
Dore, A. J.	Instructor
Dragland, S.	Assistant Professor
Farbman, E. M.	Instructor
Hassan, R. F.	Instructor
House, G. S.	Assistant Professor
Livingstone, K. D.	Instructor
Mellamphy, E. N.	Assistant Professor
Ross, C. L.	Instructor
Surette, L.	Assistant Professor
Taylor, S. B.	Instructor
Watkins, R.	Instructor

Department of Fine Art

Alston, J. W.	Lecturer (part-time)
Bonham, D. E.	Instructor
Bozak, R. M.	Instructor (part-time)
de Kergommeaux, D.	Instructor

Department of French

Barbier, C.	Professor and Chairman
Bowker, C.	Lecturer
Dupraz, J. Y.	Lecturer
Gagnon, G.	Assistant Professor (part-time)
Gounelle, P.	Lecturer
Keske, W.	Lecturer
Ly, T.	Assistant Professor
Ross, M. H.	Lecturer
Smith, M. C.	Visiting Associate Professor

Department of German

Immerwahr, R.	Professor and Chairman
Warder, H. R.	Instructor

Department of Philosophy

Bub, J.	Visiting Assistant Professor (part-time)
Freed, B.	Associate Professor
Hackstaff, L.	Visiting Associate Professor (part-time)
Harper, W.	Assistant Professor
Hockney, D. J.	Associate Professor
Hooker, C.	Associate Professor
Muehlmann, R. G.	Assistant Professor
Rescher, N.	Visiting Professor (part-time)
Rudner, R.	Visiting Professor (part-time)
Shorten, S. J.	Assistant Professor

Department of Russian Studies

Wilson, R. K.	Assistant Professor
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Department of Spanish and Italian

Belladonna, R.	Lecturer
Lopez-Pacheco, J. M.	Assistant Professor
Munn, B.	Assistant Professor
Smieja, F. L.	Professor

PROMOTIONSDepartment of Classical Studies

Murison, C. L.	To Associate Professor
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Department of English

Fleck, P. D.	To Professor and Chairman
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Department of Fine Art

Urquhart, A. M.	To Associate Professor
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Department of German

Purekevitch, R.	To Lecturer
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Department of Russian Studies

Eramian, G. M.	To Assistant Professor
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Department of Spanish and Italian

Asensio, J.	To Associate Professor
Munn, B. W.	To Assistant Professor
Smieja, F. L.	To Professor

RESIGNATIONSDepartment of English

Gordon, I. R.	Assistant Professor
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Department of French

Harper, F. K.	Associate Professor
Westgate, D.	Assistant Professor

Department of German

Beutler, B.	Instructor
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LEAVES OF ABSENCEGeneral

Rose, G. S. Assistant Dean

Department of Classical Studies

Murison, C. L. Associate Professor

Department of English

Fleck, P. D. Professor and Chairman  
Smith, M. E. Assistant Professor  
Woodman, R. G. Professor

Department of French

Hall, N. C. Lecturer  
Jones, R. F. Lecturer  
Tatilon, C. D. Assistant Professor

Department of German

Tracy, G. L. Professor

Department of Philosophy

Maynard, P. Assistant Professor (Jan. to June)

FACULTY OF SCIENCEAPPOINTMENTSDepartment of Applied Mathematics

Mignerone, R. Lecturer  
Watts, A. Visiting Assistant Professor  
Zamir, M. Assistant Professor

Department of Astronomy

Landstreet, J. D. Assistant Professor

Department of Chemistry

Arnold, D. R. Associate Professor  
Bolton, J. R. Professor

Department of Computer Science

Dewar, P. H. Instructor  
Mullin, J. K. Assistant Professor

Department of Mathematics

Dawes, A. M. Lecturer  
Klass, W. Assistant Professor  
Rankin, S. Assistant Professor  
Vranch, J. K. Assistant Professor

Department of Plant Sciences

Bohaychuk, W. P. (Mrs.) Instructor  
Chute, M. J. (Mrs.) Instructor  
Evernden, L. N. (Mrs.) Instructor

Department of Physics

Gaily, T. D.	Assistant Professor
Rosner, S. D.	Assistant Professor
Tunaley, J. K.	Assistant Professor

Department of Zoology

Owen, M. D.	Assistant Professor
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PROMOTIONSDepartment of Applied Mathematics

Deakin, A. S.	Associate Professor
Manuel, P. W.	Associate Professor

Department of Astronomy

Marlborough, J. M.	Associate Professor
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Department of Computer Science

Gargantini, I.	Associate Professor
Langland, K.	Lecturer
Newkirk, R.	Lecturer
Pylyshyn, Z. W.	Associate Professor
Suttie, I. P.	Assistant Professor

Department of Mathematics

Callaghan, N. L.	Lecturer
State, E. Y.	Assistant Professor

Department of Zoology

Bourns, T. K. R.	Professor
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RESIGNATIONSDepartment of Applied Mathematics

Barton, E.	Lecturer
Digby, P. J.	Visiting Assistant Professor
Jackson, F.	Visiting Lecturer
Lewis, E.	Instructor (part-time)
Norey, P. W.	Assistant Professor

Department of Computer Science

Arnett, B. J.	Lecturer
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Department of Plant Sciences

Cumming, B. G.	Professor
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Department of Zoology

Stinson, R. H.	Hon. Professor (part-time)
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LEAVES OF ABSENCEDepartment of Applied Mathematics

Nerenberg, M. A. H.	Associate Professor
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Department of Chemistry

Lorimer, J. W.

Associate Professor (from September, 1970)

Department of Computer Science

Hart, J. F.

Professor

Department of Geophysics

Mansinha, L.

Associate Professor

Department of Physics

Moorcroft, D. R.

Associate Professor

Department of Zoology

Keenleyside, M. H. A.

Associate Professor

RETIREMENTSDepartment of Geology

Suffel, G. G.

Professor

Winder, C. G.

Retiring as Head of Department only

Department of Plant Sciences

Johannesen, J. K.

Instructor (Curator)

RETURNS FROM LEAVE OF ABSENCEDepartment of Chemistry

Willis, C. J.

Associate Professor

Department of Computer Science

Beckhoff, G. F.

Associate Professor

Hart, J. F.

Professor

Pylyshyn, Z. W.

Associate Professor

TRANSFERSDepartment of Computer Science

Suttie, I. P.

Assistant Professor  
(transfer to Registrar's Office)Department of Mathematics

Naylor, D.

Professor  
(transfer to Applied Mathematics)

FACULTY OF SOCIAL SCIENCEAPPOINTMENTSDepartment of Economics

Avio, K. L.	Visiting Lecturer
Batra, R. N.	Assistant Professor
Baumann, H. G.	Lecturer
Boyer, R. S.	Visiting Lecturer
Dick, T. J. O.	Assistant Professor
Haessel, W. W.	Lecturer
Johnson, H. T.	Assistant Professor
Jondrow, J. M.	Lecturer
Rao, V. S.	Lecturer
Smith, B. E.	Assistant Professor (January 25, 1971)
Thanh, P. C.	Visiting Associate Professor (January 1, 1971)
Valentine, T. J.	Lecturer (January 1, 1971)

Department of Geography

Bunge, W.	Visiting Associate Professor
Cecil, R. G.	Lecturer
Clarke, V. (Mrs.)	Instructor
Code, W. R.	Lecturer
Janelle, D. G.	Assistant Professor
King, R. H.	Assistant Professor
White, R.	Lecturer

Anthropology

Gehman, J. G.	Instructor
Guemple, D. L.	Associate Professor

Department of History

Graham, G. S.	Visiting Professor
Miller, A. A. (Miss)	Lecturer
Morton, D.	Visiting Assistant Professor
Osuntokun, J.	Lecturer
Rider, P. E.	Lecturer
Simpson, C. M.	Lecturer
Zoltvany, Y.	Visiting Associate Professor

Department of Journalism

Laplante, R. E. A.	Assistant Professor
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Department of Physical and Health Education

Cosentino, F.	Assistant Professor
Funston, G. (Mrs.)	Lecturer
Milne, D. C.	Lecturer
Moxley, S. (Mrs.)	Instructor
Singh, B. (Mrs.)	Lecturer

Department of Political Science

Barnard, F. M.	Professor
Cohn, T. H.	Lecturer
Harvey, T. G.	Assistant Professor
Leishman, R. J. W.	Lecturer
McDougall, A. K.	Lecturer
Miller, A. J.	Lecturer
Sancton, A. B.	Lecturer
Vernon, R. A.	Assistant Professor
Westmacott, M. W.	Lecturer
Wright, B. H.	Lecturer

Department of Psychology

Adamowicz, J. K.	Lecturer (part-time)
Boles, J. I.	Assistant Professor
Bucher, B. D.	Associate Professor
Burron, B. F.	Lecturer
Carlson, P. M.	Assistant Professor
DeLuca, D. M.	Lecturer (part-time)
Fay, T. L.	Lecturer
Murphy, K. C.	Lecturer
O'Neill, B. J.	Lecturer (part-time)
Philipchalk, R.	Lecturer (part-time)
Roberts, W. A.	Assistant Professor
Rokeach, M.	Visiting Professor
Siegel, J. A. (Mrs.)	Lecturer
Siegel, W.	Lecturer
Smeriglio, V. L.	Assistant Professor
Sorrentino, R. M.	Lecturer

Department of Sociology

Balakrishnan, T. R.	Associate Professor
Ball-Rokeach, S. J. (Mrs.)	Assistant Professor
Hayes, A. C.	Lecturer
Jackson, J. E. W.	Assistant Professor
Marin, I. C.	Assistant Professor
Skipper, J. K.	Assistant Professor
Teevan, J. J.	Assistant Professor (January 1, 1971)
Whitehead, P. C.	Assistant Professor
Wien, F. C.	Lecturer

PROMOTIONSDepartment of Economics

Clark, C. S.	Assistant Professor (March 1, 1971)
Courchene, T. J.	Professor
Gately, F. D.	Assistant Professor (June 1, 1971)
Haessel, W. W.	Assistant Professor (September 1, 1970)
Kadiyala, K. R.	Professor
Kirkham, P. G.	Assistant Professor
Melvin, J. R.	Professor
Rao, V. S.	Assistant Professor (September 1, 1970)

Department of Geography

Code, W.	Assistant Professor (June 1, 1971)
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Department of History

Miller, A. A. (Miss)	Assistant Professor (March 1, 1971)
Osuntokun, J.	Assistant Professor (March 1, 1971)

Department of Journalism

Wilson, C. E. S.	Associate Professor (June 15, 1971)
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Department of Physical and Health Education

Milne, D. C.	Assistant Professor (September 1, 1970)
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Department of Political Science

McDougall, A. K.	Assistant Professor (May 1, 1971)
Miller, A. J.	Assistant Professor (December 1, 1971)

Department of Psychology

McClelland, W. J.	Chairman and Professor
Prytulak, D. S. (Mrs.)	Assistant Professor (June 1, 1971)
Pylyshyn, Z. W.	Associate Professor
Reitz, W. E.	Associate Professor
Siegel, J. A. (Mrs.)	Assistant Professor (March 1, 1971)
Siegel, W.	Assistant Professor (March 1, 1971)
Siess, T. F.	Associate Professor
Sorrentino, R. M.	Assistant Professor (February 1, 1971)

Department of Secretarial Science

Chapman, E. M. (Mrs.)	Chairman
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RESIGNATIONSDepartment of Economics

Baguley, R. W.	Assistant Professor
Conklin, D. W.	Assistant Professor (on leave)
Kochin, L. A.	Visiting Lecturer
Schmundt, M. (Miss)	Lecturer
Tanner, J. E.	Assistant Professor
Thanh, P. C.	Visiting Associate Professor
Tomlinson, P.	Visiting Lecturer

Department of Geography

Bunge, W.	Visiting Associate Professor
Clarke, V. (Mrs.)	Instructor

Department of History

Cornwall, P. G.	Assistant Professor
Hoffman, D. S.	Assistant Professor
Miller, A. A. (Miss)	Lecturer
Morton, D.	Visiting Assistant Professor
Osuntokun, J.	Lecturer

Department of Psychology

De Luca, D. M. (Miss)	Lecturer (part-time)
Philipchalk, R. P.	Lecturer (part-time)

LEAVES OF ABSENCEDepartment of Economics

Conklin, D. W.	Assistant Professor
Kadiyala, K. R.	Professor
Parai, L.	Assistant Professor (Jan. 1, 1971 - June 30, 1971)

Department of Geography

Troughton, M. J.	Assistant Professor
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Department of History

Avery, D. H.	Lecturer
Lander, J. R.	Professor
Steele, I. K.	Associate Professor

Department of Physical and Health Education

Watson, R. C.	Assistant Professor
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Department of Political Science

Dawson, W. F.	Professor
Dobell, W. M.	Associate Professor
Kymlicka, B. B.	Associate Professor
Melvin, R. A.	Associate Professor

Department of Psychology

Wright, M. J. (Miss)	Professor
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Department of Sociology

Osborn, R. W.	Assistant Professor
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RETURNING FROM LEAVES OF ABSENCEDepartment of Economics

Wonnacott, R. J.	Department Chairman
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Department of Geography

Langtvet, O. P.	Associate Professor
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Department of History

Armstrong, F. H.	Associate Professor
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Department of Journalism

Wilson, C. E. S.	Associate Professor
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Department of Physical and Health Education

Leyshon, G.	Assistant Professor
Wearing, G. A.	Associate Professor

Department of Psychology

Pylyshyn, Z. W.	Associate Professor
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Department of Sociology

Balakrishnan, T. R.	Associate Professor
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TRANSFERSDepartment of Economics

Smith, B. E.	Board of Governors to Assistant Professor and Assistant to the Chairman, Administration.
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FACULTY OF MUSICAPPOINTMENTS

Baker, K.	Instructor
Bartalus, I.	Visiting Professor
Dilmore, H. C.	Assistant Professor
Gustafson, R.	Lecturer
Hughes, R.	Assistant Professor
Longton, M.	Instructor
Pendle, K.	Assistant Professor
Riseling, R.	Assistant Professor
Seiffert, S.	Assistant Professor
Stokes, J.	Instructor

PROMOTIONS

Cortner, L.	Lecturer
Stark, J. A.	Associate Professor

RESIGNATIONS

Boos, E. L.  
Madill, A.

LEAVE OF ABSENCE

Green, J. P.	Associate Professor
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FACULTY OF MEDICINEAPPOINTMENTS

Watson, J. H.	Assistant to the Dean (re-appointed for a three-year term)
Macallum, A. B.	Professor Emeritus
Stavraky, G. W.	Professor Emeritus
Tew, W. P.	Professor Emeritus
Watson, E. M.	Professor Emeritus
Waud, R. A.	Professor Emeritus

Department of Anaesthesia

Gibson, W. R.	Clinical Lecturer (January 1, 1971)
Groom, A. C.	Honorary Lecturer
McFarlane, N. A.	Instructor (part-time)
Millman, W. L.	Clinical Lecturer (June 1, 1971)
Muir, J. M.	Clinical Lecturer (part-time) (October 1, 1970)
Webster, A. C.	Acting Head (October 1, 1970, to May 1, 1971)

Department of Anatomy

Chawla, V. S.	Instructor (part-time) (February 8, 1971)
Clattenburg, R. E.	Lecturer

Department of Bacteriology and Immunology

Black, W. A.	Clinical Lecturer (October 1, 1970)
Cheevers, W. P.	Assistant Professor (Cancer Research Laboratory)
Galsworthy, Sarah B. (Mrs.)	Instructor (part-time) (September 21, 1970)
McCurdy, H. D.	Visiting Professor (November 1, 1970, to June 30, 1971)

Department of Biochemistry

Galsworthy, P. R.

Assistant Professor

Department of BiophysicsBurton, A. C.  
Johnson, L. N.  
Nagai, T.  
Roach, Margot R.Professor (part-time)  
Honorary Lecturer  
Honorary Lecturer (January 4, 1971)  
ChairmanDepartment of Clinical Neurological SciencesAmacher, A. L.  
Ball, M. J.Lecturer  
Honorary LecturerDivision of Neurology

Brown, W. F.

Lecturer

Department of Community MedicineDivision of Epidemiology and Preventive Medicine

Aldis, R. M.

Clinical Lecturer

Division of Family MedicineBernstein, P.  
Brady, P.  
Brennan, M.  
Butler, W. E.  
Chernick, A. B.  
Chernick, Beryl A.  
Clarke, G. L.  
Ferrier, T. A.  
Gibson, G.  
Hiscock, R. S.  
Leeson, J. I.  
McGhie, T. G.  
McKim, J. S.  
Moulton, R.  
Piper, G. A.  
Sangster, J. F.  
Thompson, H.  
Vinger, I.  
Weston, W.Instructor  
Instructor (part-time)  
Lecturer (September 1, 1970)  
Instructor (part-time)  
Honorary Lecturer (January 1, 1971)  
Honorary Lecturer (January 1, 1971)  
Honorary Lecturer  
Instructor  
Instructor (part-time)  
Instructor (part-time)  
Instructor  
Instructor (September 1, 1970)  
Instructor (part-time)  
Instructor (part-time)  
Instructor (part-time)  
Instructor (part-time)  
Instructor (September 1, 1970)  
Instructor (part-time)  
Lecturer (August 1, 1970)  
Instructor (part-time)Department of History of Medicine and ScienceBalderston, W.  
Lewis, J. A.  
Plotkin, H. N.  
Richardson, R. A.Honorary Lecturer (October 5, 1970)  
Honorary Lecturer (October 5, 1970)  
Lecturer  
Acting Chairman (October 15, 1970)Department of MedicineAhmad, D.  
Goddard, M. D.  
Langland, K. G.  
Linton, A. L.  
McDonald, J. W. D.  
Purres, J.  
Stiller, C. R.  
Wolfe, B. M.Instructor (February 1, 1971)  
Lecturer (January 1, 1971)  
Honorary Lecturer  
Assistant Professor  
Assistant Professor  
Clinical Lecturer (March 1, 1971)  
Instructor  
Assistant Professor (September 1, 1970)Department of Obstetrics and GynaecologyLawrence, D. W.  
Raud, H. R.  
Sloan, W. G.Clinical Lecturer (January 1, 1971)  
Assistant Professor (September 1, 1970)  
Clinical Lecturer (January 1, 1971)

Department of Ophthalmology

Burt, W. L.

Nicholls, J. V. V.

Instructor (part-time)

Clinical Associate Professor

Department of Paediatrics

Amacher, A. L.

Li, K. T.

Pozsonyi, J.

Uilengerg, Catharina

Young, J. A.

Lecturer

Clinical Lecturer

Clinical Lecturer

Clinical Lecturer

Assistant Professor

Department of Pathological Chemistry

Linton, A. L.

McDonald, J. W. D.

Raud, H. R.

Assistant Professor (October 1, 1970)

Assistant Professor

Assistant Professor (October 1, 1970)

Department of Pathology

Gardner, D. G.

Gursel, S.

Paterson, J. C.

Ramzy-Saeed, I.

Chairman of Division of Oral Pathology

Instructor (January 1, 1970)

Acting Chairman (July 1, 1970, to June 30, 1971)

Clinical Assistant Professor

Department of Physiology

Cunningham, D. A.

Mogenson, G. J.

Ziegler, W. H.

Assistant Professor

Acting Chairman

Assistant Professor (September 1, 1970)

Department of Psychiatry

Corrin, B. W.

Lovegrove, T. D.

McKim, Mary E.

Mountain, H. E.

Instructor (part-time) (January 1, 1971)

Instructor (part-time)

Instructor (part-time)

Instructor (part-time)

Department of Diagnostic Radiology

Black, J. H. D.

Instructor (September 1, 1970)

Department of Therapeutic Radiology

Gilchrist, J. A.

Myers, Lois M.

Instructor (February 1, 1971)

Clinical Assistant Professor

(July 1, 1970, to June 30, 1971)

Department of Surgery

Sweeney, J. P.

Instructor (part-time) (February 1, 1971)

Division of Orthopaedic Surgery

Fowler, P. J.

Clinical Lecturer

Program in Medical RehabilitationProgram in Communication Disorders

Rounthwaite, F. J.

Stouffer, J. L.

Acting Director (April 20, 1971, to June 30, 1972)

Assistant Professor (August 1, 1970)

Program in Occupational Therapy

Mack, J. S.

Trider, Margaret F. (Mrs.)

Lecturer (June 1, 1971)

Director (April 20, 1971, to June 30, 1976)

Program in Physical Therapy

Edwardson, Barbara (Miss)  
Morgan, Sally (Miss)

Lecturer  
Director (April 20, 1971, to June 30, 1976)

PROMOTIONSDepartment of Anaesthesia

Sellery, G. R.

Clinical Lecturer to Clinical Assistant  
Professor

Department of Anatomy

Gwyn, D. G.

Assistant Professor to Associate Professor

Department of Biochemistry

Ball, Judith K.  
Gatfield, P. D.  
Gordon, B. A.  
Haines, D. S. M.  
McMurray, W. C.

Assistant Professor to Associate Professor  
Lecturer to Assistant Professor  
Lecturer to Assistant Professor  
Lecturer to Assistant Professor  
Associate Professor to Professor

Department of Community MedicineDivision of Family Medicine

Annett, R. K.  
Burns, S. J.  
Butson, F. J.  
Collyer, J. E.  
Elliott, D. W.  
Ellyatt, W. G.  
Gambrill, R. B.  
Gay, K. E.  
Gillick, R. H.  
Hennen, B.  
Hunter, A. T.  
Johnston, K. A.  
Keidan, H.  
Marchuk, P.  
McCue, D.  
Merritt, J. O.  
Naftolin, L. Z.  
Patten, J. F.  
Pennington, P. W.  
Robinson, H. C.  
Stein, P. B.  
Theoret, J. J.  
Weston, W.  
Wilson, R. C.

Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Lecturer to Assistant Professor  
Assistant Professor to Associate Professor  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Lecturer to Assistant Professor  
Instructor to Clinical Lecturer  
Instructor to Lecturer (December 1, 1970)  
Instructor to Clinical Lecturer

Department of Clinical Neurological Sciences

Allcock, J. M.

Honorary Lecturer in Neurosurgery, Division of  
Neurosurgery to Clinical Assistant Professor

Department of Medicine

Cholod, E. J.  
McCourtie, D. R. M.  
Wilcox, L. D.

Instructor to Clinical Lecturer  
Lecturer to Assistant Professor  
Clinical Associate Professor to Clinical  
Professor

Department of Obstetrics and Gynaecology

Allen, H. H.

Clinical Associate Professor to Clinical  
Professor

Harding, P. G. R.

Assistant Professor to Associate Professor

Department of Ophthalmology

McFarlane, D. C.

Clinical Lecturer to Clinical Assistant  
ProfessorDepartment of Otolaryngology

Burnett, W. H.

Clinical Assistant Professor to Clinical  
Associate ProfessorDepartment of Paediatrics

Riese, R. R.

Clinical Lecturer to Clinical Assistant  
Professor of Paediatric PsychologyDepartment of Pathological Chemistry

Smith, M. Binns

Clinical Assistant Professor to Clinical  
Associate ProfessorDepartment of Pathology

Ball, M. J.

Enriquez, A. A.

Frei, J. V.

Gursel, S.

Jones, D. S.

Turnbull, D. I.

Instructor to Clinical Assistant Professor  
Instructor to Clinical Assistant Professor  
Assistant Professor to Associate Professor  
Instructor to Clinical Lecturer  
Lecturer to Assistant Professor  
Instructor to Clinical Assistant ProfessorDepartment of Physiology

Harding, P. G. R.

Mercer, P. F.

Squires, B. P.

Assistant Professor to Associate Professor  
Assistant Professor to Associate Professor  
Assistant Professor to Associate ProfessorDepartment of Psychiatry

Carscallen, H. B.

Deinum, E. Jeanne

Dubois, J. R.

Galbraith, D. A.

Goldberg, B.

Lapp, C. A.

Clinical Lecturer to Clinical Assistant  
Professor  
Instructor to Clinical Lecturer  
Instructor to Clinical Lecturer  
Clinical Lecturer to Clinical Assistant  
Professor  
Clinical Assistant Professor to Clinical  
Associate Professor  
Instructor to Clinical LecturerDepartment of Diagnostic Radiology

Agnes, J. W.

Coates, R. K.

Nicol, D. A.

Instructor to Clinical Assistant Professor  
Instructor to Clinical Lecturer  
Clinical Lecturer to Clinical Assistant  
ProfessorDepartment of Therapeutic Radiology

Banerjee, P.

Instructor to Clinical Assistant Professor

Department of SurgeryDivision of Cardiovascular and Thoracic Surgery

Gergely, N. F.

Instructor to Clinical Lecturer

Division of Urology

Reese, L.

Clinical Lecturer to Clinical Assistant  
Professor

CHANGE IN RANKDepartment of Anaesthesia

Keeri-Szanto, M.

Clinical Associate Professor and Chief  
(Victoria Hospital) to Clinical Associate  
Professor

Webster, A. C.

Clinical Associate Professor to Associate  
Professor

Webster, A. C.

Associate Professor and Acting Head to  
Associate Professor (June 1, 1971)Department of Biochemistry

Serdarevich, B.

Assistant Professor to Senior Research  
Associate

Walker, I. G.

Associate Professor (Cancer Research Labora-  
tory and Biochemistry) to Associate  
Professor of Biochemistry (April 1, 1971)Department of Clinical Neurological Sciences

Hinton, G. G.

Honorary Lecturer in Neurosurgery, Division  
of Neurosurgery, to Honorary LecturerDepartment of Community MedicineDivision of Family Medicine

McKim, J. S.

Clinical Assistant Professor to Assistant  
ProfessorDepartment of History of Medicine and Science

Pendrill, G. R.

Assistant Professor (Library Science) to  
Honorary LecturerDepartment of Medicine

Beattie, J. H.

Clinical Lecturer to Honorary Lecturer

Middleton, W. W.

Clinical Lecturer to Honorary Lecturer

Watt, A. J.

Clinical Lecturer to Honorary Lecturer

Department of Paediatrics

Albarracin, Aurora B.

Clinical Lecturer to Lecturer

Department of Pharmacology

Borda, I. T.

Honorary Lecturer to Lecturer (part-time)

Lovegrove, T. D.

Honorary Lecturer to Lecturer (part-time)

Meltzer, D. B.

Honorary Lecturer to Lecturer (part-time)

Spoerel, W. E. G. A.

Honorary Lecturer to Lecturer (part-time)

Department of Physiology

Hinton, G. G.

Assistant Professor to Honorary Lecturer

Stevenson, J. A. F.

Professor and Head to Professor

Department of Psychiatry

Boyce, R. M.

Assistant Professor to Clinical Assistant  
Professor (January 1, 1971)

Johnson, F. G.

Assistant Professor to Clinical Assistant  
Professor (January 1, 1971)

RESIGNATIONSDepartment of Anaesthesia

Gibson, W. R.

Clinical Lecturer

Department of Anatomy

Chawla, V. S.

Instructor (part-time) (May 15, 1971)

Hollenberg, M. J.

Associate Professor

Hoshino, K.

Associate Professor

Department of Community MedicineDivision of Family Medicine

Crowther, C. H.

Lecturer (November 30, 1970)

Department of Medicine

Lovatt, G. E.

Clinical Lecturer (January 31, 1971)

Department of Obstetrics and Gynaecology

Ramaprakash, H. N.

Lecturer (September 15, 1970)

Department of Ophthalmology

Hollenberg, M. J.

Honorary Lecturer

Department of Paediatrics

Albarracin, Aurora B.

Lecturer (April 15, 1971)

Department of Pathology

Gursell, S.

Clinical Lecturer (March 12, 1971)

Department of Physiology

Hinton, G. G.

Honorary Lecturer

Department of Psychiatry

Metcalf, E. V.

Clinical Associate Professor (January 1, 1971)

Department of Diagnostic Radiology

Mullen, L. H.

Instructor (April 4, 1971)

Treleaven, R. B.

Clinical Lecturer (January 31, 1971)

Department of Therapeutic Radiology

Miller, G. M.

Instructor (December 4, 1970)

Myers, Lois

Clinical Assistant Professor

RETIREMENTSDepartment of Anaesthesia

Richardson, K. R.

Honorary Lecturer

Department of Community MedicineDivision of Epidemiology and Preventive Medicine

Hall, A. V.

Instructor

Scoffield, Mary E.

Clinical Lecturer



Department of Medicine

Goddard, E. S.  
 Middleton, W. W.  
 Wilcox, L. D.

Honorary Lecturer  
 Honorary Lecturer  
 Clinical Professor

Department of Psychiatry

Goddard, E. S.

Honorary Lecturer

LEAVES OF ABSENCEDepartment of Anaesthesia

Spoerel, W. E. G. A.

Professor and Head (October 1, 1970, to  
 April 30, 1971)

Department of Anatomy

Donisch, E. W. K. F.

Assistant Professor (September 1, 1970, to  
 June 30, 1971)

Department of Biochemistry

Strickland, K. P.

Professor

Program of Continuing Medical Education

Newell, J. P.

Assistant to the Program

Department of Community Medicine  
Division of Family Medicine

Newell, J. P.

Instructor

Department of Paediatrics

Sutton, Marilyn D.

Assistant Professor (on sick leave)  
 (April 3, 1971)

Department of Pathology

Wallace, A. C.

Professor and Head

Department of Psychiatry

Boyce, R. M.

Assistant Professor (July 1, 1970, to  
 December 31, 1970)

RETURN FROM LEAVES OF ABSENCEDepartment of Anaesthesia

Spoerel, W. E. G. A.

Professor and Head (April 1, 1971)

Department of Anatomy

Leyshon, G. A.

Instructor

Department of Community Medicine  
Division of Family Medicine

Newell, J. P.

Instructor (June 14, 1971)

Department of Pathological Chemistry

Brownstone, Y. S. Professor

Department of Pharmacology

Gowdey, C. W. Professor and Head

DEATHDepartment of Medicine

Beattie, J. H. Honorary Lecturer (October 1, 1970)

FACULTY OF NURSINGAPPOINTMENTS

Fraleigh, D. M. (Mrs.)	Lecturer
Gerhard, W. (Mrs.)	Assistant Professor
Leonard, R. C.	Visiting Professor
Mahoney, L.	Instructor
Petersson, C. (Mrs.)	Instructor
Shea, H. (Mrs.)	Assistant Professor
Weber, E. (Mrs.)	Lecturer

PROMOTIONS

Brown, B. Lecturer to Assistant Professor

RESIGNATIONS

Healey, E. N.	Associate Professor
Hezekiah, J.	Assistant Professor
Parker, P. (Mrs.)	Instructor
Petersson, C. (Mrs.)	Instructor

LEAVES OF ABSENCE

Gow, C.	Lecturer
Wynne, E.	Lecturer

FACULTY OF DENTISTRYAPPOINTMENTSDepartment of Oral Medicine

Cornish, E.	Clinical Instructor
Dinniwell, W. A.	Clinical Instructor
Hunter, J. K.	Clinical Instructor
Johnson, R. H.	Associate Professor
Wainwright, R. J.	Clinical Lecturer

Department of Paediatric Dentistry

Andersson, A. M. (Miss)	Clinical Instructor
Eastwood, A. W.	Professor
Gardner, D. G.	Honorary Lecturer
Martinello, B. P.	Honorary Lecturer
Wright, G. W.	Assistant Professor

Department of Restorative Dentistry

Brown, E. G.  
Goto, G.

Clinical Instructor  
Visiting Assistant Professor  
(July 1, 1970, to June 30, 1972)  
Clinical Instructor  
Clinical Instructor

Gratton, D. R.  
Halip, J. W.

Department of Social Dentistry

Banting, D. W.  
Currie, P. E.  
Fowler, J. B.  
Leake, J. L.  
MacKay, W. H.

Assistant Professor  
Clinical Instructor  
Clinical Instructor  
Clinical Instructor  
Clinical Instructor

PROMOTIONSDepartment of Oral Medicine

Beam, A. L.  
Cornish, E.  
Petersen, K. B.  
Reid, J. A.  
Zulqar-nain, B. J.

Clinical Instructor to Clinical Lecturer  
Clinical Instructor to Clinical Lecturer  
Chairman, Division of Oral Diagnosis  
Chairman, Division of Dental Radiology  
Assistant Professor to Associate Professor  
and Chairman, Division of Periodontics

Department of Restorative Dentistry

Skinner, D. H.

Chairman, Division of Endodontics

RESIGNATIONSDepartment of Paediatric Dentistry

Parrott, H. C.

Clinical Lecturer

FACULTY OF LAWAPPOINTMENTS

Balogh, L. V.  
Bushnell, S. I.  
Elder, P. S.  
McRae, D. M.  
Priestly, D. M.  
Sinha, S. P.  
Usprich, S. J.

Assistant Professor  
Assistant Professor  
Assistant Professor  
Assistant Professor  
Associate Professor  
Associate Professor  
Assistant Professor

PROMOTIONS

Atkey, R. G.  
Janisch, H. N.  
Rayner, W. B.

Associate Professor  
Associate Professor  
Associate Professor

RESIGNATIONS

Atkey, R. G.

Associate Professor

FACULTY OF ENGINEERING SCIENCEAPPOINTMENTS

Lo, K. Y.	Associate Professor
Svrcek, W. Y.	Assistant Professor
Watson, A.	Assistant Professor

PROMOTIONS

Abu-Sitta, S. H.	To Associate Professor from Assistant Professor
Inculet, I. I.	To Full Professor from Associate Professor
Nowak, E. S.	To Full Professor from Associate Professor
Quigley, R. M.	To Full Professor from Associate Professor
Roy, C.	To Associate Professor from Assistant Professor
Stewart, J. W.	To Associate Professor from Assistant Professor
Zajic, J. E.	To Full Professor from Associate Professor

LEAVES OF ABSENCE

Bulani, W.	Professor
Lauchland, L. S.	Professor

TERMINATIONS

Barton, E. (Mrs.)	Lecturer
-------------------	----------

SCHOOL OF BUSINESS ADMINISTRATIONAPPOINTMENTS

Bobele, H. K.	Assistant Professor
Coleman, D. R.	Lecturer
Cumper, G.	Visiting Professor
Downing, P.	Lecturer (part-time)
Heffernan, J. J.	Lecturer
Knight, R. M.	Assistant Professor
Lambert, D.	Instructor (part-time)
Lebner, S. D.	Instructor
Long, R. A.	Assistant Professor
Mackay, J. A.	Instructor
Nobbs, R.	Lecturer
Ouellette, G.	Instructor
Peach, D. A.	Assistant Professor
Uren, H. T.	Instructor
Wrigley, L.	Lecturer

PROMOTIONS

Archibald, T. R.	Associate Professor
Crookell, H.	Assistant Professor
Kennedy, J. R.	Associate Professor
Little, W. B.	Associate Professor
Martin, S. A.	Professor (January 1, 1971)
Nourse, R. E.	Associate Professor
Stevens, R. G.	Lecturer

RESIGNATIONS

Duval, R. E.	Visiting Lecturer
Erskine, J. A.	Lecturer
Frankiel, H. H.	Assistant Professor
Handly, T. G.	Instructor
Lavallee, J.	Visiting Assistant Professor
Leighton, D. S. R.	Professor
Pearce, M. R.	Instructor
Peterson, R.	Visiting Assistant Professor
Piper, C. J.	Instructor
Warner, T. N.	Lecturer
Weinstein, A. K.	Assistant Professor

LEAVES OF ABSENCE

Gordon, J. R. M.	Associate Professor
Nourse, R. E. M.	Associate Professor

RETURNING FROM LEAVE

Nicholson, J. T.	Professor
Wood, A. R.	Professor

SCHOOL OF LIBRARY AND INFORMATION SCIENCEAPPOINTMENTS

Bird, D. A.	Assistant Professor
DeHart, F. E.	Associate Professor
Held, C. H.	Associate Professor
Lee, R. E.	Professor (part-time)
Tague, J. M.	Associate Professor
Bottle, R.	Visiting Professor (Summer Session)
Reitman, E.	Visiting Professor (Winter Term) (and Professor Emeritus)
Schryver, L.	Visiting Professor (Fall Term)
Stuliglowa, A. K.	Visiting Professor (Spring Term)

RESIGNATIONS

Alley, G. T.	Professor and Associate Dean
Palmer, B. J.	Associate Professor and Assistant to the Dean

RETIREMENTS

Colvin, L. C.	Professor
---------------	-----------

ALTHOUSE COLLEGE OF EDUCATIONAPPOINTMENTSDepartment of Guidance

Clute, F. J.	Sessional Lecturer
Hallberg, E. T.	Associate Professor

Department of History

Clark, R.

Assistant Professor

Department of Physical and Health Education

Corbett, J.

Sessional Lecturer

PROMOTIONSDepartment of Philosophy

Burke, D. R.

Associate Professor

Department of Elementary Teaching

Hardy, M. (Miss)

Professor

Department of PsychologyHarper, F. B. W.  
Slemon, A. G.Professor  
ProfessorDepartment of Science

Webber, H. D.

Professor

LEAVES OF ABSENCEDepartment of Guidance

Hassard, J. H.

Associate Professor

Department of Physical and Health Education

West, N.

Professor and Head Sr.

RETURN FROM LEAVEDepartment of Classics

Baldwin, M. (Miss)

Professor

Department of Philosophy

Howard, V.

Associate Professor and Head

RESIGNATIONSDepartment of PsychologyBlue, A. W.  
Irvine, S. H.Assistant Professor  
Associate ProfessorRETIREMENTSDepartment of Music

Woodburn, D.

Professor

TRANSFERS

Nediger, W. G.

Associate Registrar (March 1, 1971)

DEATHDepartment of History

Bowden, J. J.

Professor (November 27, 1970)

KING'S COLLEGEAPPOINTMENTSDepartment of Psychology

Britain, S.

Lecturer

Department of Social Welfare

Canzona, L.

Assistant Professor

Melzer, A.

Professor

Department of History

Webb, P.

Lecturer

Economics

Koop, P.

Assistant Professor

PROMOTIONSDepartment of English

Toop, R.

Associate Professor

Department of Social Welfare

Brown, T.

Assistant Professor

APPENDIX B  
PUBLICATIONS



PUBLICATIONS

FACULTY OF ARTS

Department of Classical Studies

- CROWTHER, N. B. "Hoi neoterioi, poetae novi, and cantores Euphorionis" Classical Quarterly 20(1970) 322-327.
- \_\_\_\_\_. "Valerius Cato, Furius Bibaculus, and Tigidas" Classical Philology 66(1971) 108-109.
- GERBER, D. E. Euterpe. An Anthology of Early Greek Lyric, Elegiac and Iambic Poetry Edited with introductory remarks and commentary. Amsterdam: A. M. Hakkert, 1970. xii, 436 p.
- \_\_\_\_\_. "Semonides of Amorgos, Fr. 1.4" American Philological Association. Transactions 100(1969) 177-180.
- \_\_\_\_\_. Review of From Archilochus to Pindar by J. A. Davison. London: Macmillan, 1968. Classical Journal 66(1970-71) 178-179.
- \_\_\_\_\_. Review of Lexicon to Pindar by W. J. Slater. Berlin: W. de Gruyter, 1969. Phoenix 24(1970) 275-276.

Department of English

- BATES, R. G. N. "Canadian/Panorama/Canadien" London Free Press. Monthly column.
- BIEMAN, E. "An Eros Manque: Browning's Andrea Del Sarto" Studies in English Literature 10(1970) 651-668.
- \_\_\_\_\_. Review of Critical Essays on Spenser from ELH Selected by the editors of ELH. London: John Hopkins Press, 1970. Spenser Newsletter 2(1971) 5.
- \_\_\_\_\_. Review of English Icon by R. Strong. London: Routledge and Kegan Paul, 1969. Spenser Newsletter 1(1970) 6.
- \_\_\_\_\_. Review of Number Symbolism by C. Butler. London: Routledge and Kegan Paul, 1970. Spenser Newsletter 1(1970) 5.
- \_\_\_\_\_. Review of Spenser Edited by E. Honig. New York: Laurel Dell, 1968. Spenser Newsletter 2(1971) 5.
- BIEMAN, E. and HEATT, A. K. (Eds.) Spenser Newsletter London, Ontario: University of Western Ontario, Department of English, 1970-71.
- BOLGAN, A. C. "Philosophy of F. H. Bradley and The Mind and Art of T. S. Eliot: An Introduction" In English Literature and British Philosophy Edited by S. P. Rosenbaum. Chicago and London: University of Chicago Press, 1971. pp. 251-277.
- CARMODY, T. F. "A Centennial Note, J. M. Synge: 1871-1909" Independent Shavian 9(1971) 42.
- \_\_\_\_\_. Review of Widowers' Houses by Bernard Shaw. Performed at the Academy of Theatre Arts, Toronto. Independent Shavian 9(1971) 47.
- COLLINS, T. J. Letters from the Brownings to the Tennysons. Waco, Texas: Baylor University, 1971.
- \_\_\_\_\_. "A Brief Reply to Professor Stevenson on Clive" Browning Newsletter no. 4(1970) 41-42.
- \_\_\_\_\_. "The Peckham Reply to the Collins Review of the Browning Edition" Browning Newsletter no. 6(1971) 21-24.
- \_\_\_\_\_. "Robert Browning: A Review of the year's research" Browning Newsletter no. 4(1970) 3-17.
- \_\_\_\_\_. "The Sources of Browning's Clive: New Evidence" Browning Newsletter no. 3(1969) 3-8.

- COLLINS, T. J. Review of Browning's Mind and Art by C. I. Tracy. Edinburgh and London: Oliver and Boyd, 1968. Browning Newsletter no. 3(1969) 52-55.
- \_\_\_\_\_. Review of Browning's Voices in "The ring and the book" by M. R. Sullivan. Toronto: University of Toronto Press, 1969. Cithara 10(1971).
- \_\_\_\_\_. Review of Complete Works of Robert Browning With Variant Readings and Annotations Edited by R. A. King Jr.; Volume I, Pauline Edited by John Berkey, Parcelsus Edited by M. Peckham. Athens, Ohio: Ohio University Press, 1969. Victorian Studies 13(1970) 441-444.
- \_\_\_\_\_. Review of The Diary By E.B.B.: The Unpublished Diary of Elizabeth Barrett Browning, 1831-1832 Edited by P. Kelley and R. Hudson. Athens, Ohio: Ohio University Press, 1969. Cithara 9(1969) 88-90.
- CONRON, A. B. Assistant Latin Editor of Literary Works of Matthew Prior Edited by H. B. Wright and M. K. Spears. Oxford: Clarendon Press, 1971.
- \_\_\_\_\_. "On Juno Beach" London Free Press June 26(1971) 7.
- \_\_\_\_\_. "Voyager From Eden" Ariel 1(1970) 96-102.
- \_\_\_\_\_. "West Indies Writers Focus on Political Dreams" London Free Press Jan. 18(1971) 7.
- DEVEREUX, E. J. "The Beothuk Indians of Newfoundland in Fact and Fiction" Dalhousie Review 50(1970) 350-362.
- \_\_\_\_\_. "John Rastell's Text of The Parliament of Fowls" Moreana 27/28(1970) 115-120.
- DRAGLAND, S. Review of New Canadian Writing, 1969-70 by J. Metcalfe, D. O. Spettigue and C. J. Newman. Toronto: Clarke, Irwin, 1969. Quarry 19(1970) 60-64.
- \_\_\_\_\_. Review of Notes For A Native Land: A New Encounter With Canada Edited by A. Wainwright. Ottawa: Oberon Press, 1969. Quarry 19(1970) 60-64.
- GARBER, L. Circuit Toronto: House of Anansi Press, 1971. 197 p.
- GEORGE, D. "Thomas Middleton at Oxford" Modern Language Review 65(1970) 734-736.
- \_\_\_\_\_. "Thomas Middleton's Sources: A Survey" Notes & Queries 18(1971) 17-24.
- GRAHAM, J. W. "Point of View in The Waves: Some services of the style" University of Toronto Quarterly 39(1970) 193-211.
- HENSLEY, D. Review of The State of the Wordsworth Text. Wordsworth Circle 1(1970).
- HIEATT, A. K. "Sir Gawain: Pentagle, Luf-Lace, Numerical Structure" In Silent Poetry Edited by A. Fowler. London: Routledge and Kegan Paul 1970. pp. 116-140.
- HIEATT, A. K. and BIEMAN, E. (Eds.) Spenser Newsletter London, Ontario: University of Western Ontario, Department of English, 1970-71.
- HIEATT, A. K. et al. "Placement 'in the midst' in The Faerie Queene" In Silent Poetry Edited by A. Fowler. London: Routledge and Kegan Paul, 1970. pp. 141-152.
- HIEATT, C. B. The Joy Of The Court New York: T. Y. Crowell, 1971.
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- KENNY, K. W., CARSON, K. O. et al. Thinking Through Mathematics, 10 Don Mills: Thomas Nelson & Sons (Canada), 1970. 88 p.
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- \_\_\_\_\_. Thinking Through Mathematics, 14 Don Mills: Thomas Nelson & Sons (Canada), 1970. 87 p.
- \_\_\_\_\_. Thinking Through Mathematics, 15 Don Mills: Thomas Nelson & Sons (Canada), 1970. 89 p.
- \_\_\_\_\_. Thinking Through Mathematics, 10/11/12; Teacher's Edition Don Mills: Thomas Nelson & Sons (Canada), 1971. 246 p.
- PARK, PAUL B. The World of the Child Toronto: Ontario Institute for Studies in Education (Profiles in Practical Education no. 2) 1971. 56 p.
- \_\_\_\_\_. "L'enfant et son monde veritable: un ecart grandissant!" L'ecole Cooperative 14(1971) 11-25.

Department of English

- GUTTERIDGE, D. G. "Elementary School/Secondary School" In Rhetoric: A Unified Approach to English Curricula Edited by English Study Committee, Ontario Institute for Studies in Education. Toronto: Ontario Institute for Studies in Education, 1970. pp. 21-29, 56-78, 84-95.
- \_\_\_\_\_. Death at Quebec and Other Poems Fredericton: Fiddlehead Poetry Books, 1971. 56 p.
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Department of Geography

- LANGMAN, R. C. Patterns of Settlement in Southern Ontario Toronto: McClelland and Stewart, 1970. 141 p.
- \_\_\_\_\_. The Great Plains - The Anatomy of a Region Toronto: McGraw-Hill (Canada), 1971, 88 p.

Department of History

- CLARK, R. J. "Amerindian Studies" In History '70: Resource Booklet Edited by Ontario Secondary School Teachers Federation. Ontario Secondary Education Commission. Toronto: Ontario Secondary School Teachers' Federation, 1970. pp. 28-32.
- CLARK, R. J. and REMNANT, R. "Revolution" Canadian Journal of History and Social Science 6(1970) 53-61.

- GRAY, D. M. Gifts of the Nile; Teachers' Guide Toronto: Fitzhenry and Whiteside, 1971. 8 p.
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#### Department of History of Education

- HAMILTON, W. B., ARMSTRONG, F. H. and STEVENSON, H. A. Brief to the Royal Commission on Book Publishing In Ontario. Royal Commission on Book Publishing. Presented April 13, 1971. 6 p.
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#### Department of Mathematics

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#### Department of Philosophy

- HOWARD, V. A. "On Musical Expression" British Journal of Aesthetics 11(1971) 268-280.
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#### Department of Psychology

- BLUE, A. W. Indian Values London, Ontario: University of Western Ontario. Althouse College Indian Information Centre, 1970. 15 p.
- \_\_\_\_\_. Music of North American Natives London, Ontario: University of Western Ontario, Althouse College Indian Information Centre, 1970. 25 p.
- \_\_\_\_\_. Indian Education London, Ontario: University of Western Ontario, Althouse College Indian Information Centre, 1970. 25 p.
- IRVINE, S. H. "Affect and Construct - a Cross Cultural Check on Theories of Intelligence" Journal of Social Psychology 80(1970) 23-30.
- \_\_\_\_\_. "Afterward" In Children in Africa Edited by J. Evans. New York: Columbia Teachers College Press, 1970. pp. 107-115.
- McMURRAY, J. G. The Exceptional Student of Secondary School Age: a Bibliography for Psychology and Education, 1960-1970 London, Ontario: Author, 1971. 138 p.

SLEMON, A. G. "Priorities for the Early Seventies" Ontario Psychologist 3(1971) 62-69.

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#### HURON COLLEGE

OWENS, G. L. Review of English Puritanism from John Hooper to John Milton by Everett Emerson. Durham, Duke University Press, 1968. Journal of the Canadian Church Historical Society 13(1971) 18-19.

#### KING'S COLLEGE

##### Department of English

ORANGE, J. C. "Masks of the Artist: Ernest Buckler" In Ernest Buckler Edited by G. M. Cook. Toronto: Ryerson Press, 1971.

##### Department of French

deFABRY, A. S. "Les Oscillations de la Pensee de Vigny et le Victoire de Stello" Le Bulletin de l'Association des Amis d'Alfred de Vigny, Bulletin No. 4, 1970-71.

\_\_\_\_\_. Review of Les Reveries du Promeneur Solitaire by J. J. Rousseau. Englewood Cliffs, New Jersey: Prentice-Hall, 1970. Modern Language Journal 55(1971) 125-126.

##### Department of History

GOUTOR, J. R. "The Historian as Moralist: The Final Solution of the Jewish Question in Nazi Germany - Some Considerations" Canadian Journal of History and Social Science (1971).

##### Department of Psychology

BRITAIN, S. D. "Ocular Response as a Function of Field Dependence and Anxiety." Western Psychological Association Convention. San Francisco, April 1971. Proceedings.

##### Department of Social Welfare

HERRICK, J. M. "An Inventory of the Papers of Five Towns Community House, Lawrence, Long Island, N.Y." In Descriptive Inventories of Collections in the Social Welfare History Archives Centre: University Libraries, University of Minnesota, Minneapolis, Minnesota. Edited by C. A. Chambers. Westport, Connecticut: Greenwood Publishing Corporation, 1970. pp. 41-84.



HERRICK, J. M. "An Inventory of the Papers of Louis H. Tawley" In Descriptive Inventories of Collections in the Social Welfare History Archives Centre: University Libraries, University of Minnesota, Minneapolis, Minnesota. Edited by C. A. Chambers. Westport, Connecticut: Greenwood Publishing Corporation, 1970. pp. 615-636.

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BRESCIA COLLEGE

SHARP, SISTER C. Durrenmatt's Play Stridberg Modern Drama 13(1970) 276-283.

APPENDIX C

SCHOLARLY ADDRESSES

SCHOLARLY ADDRESSESFACULTY OF ARTSDepartment of Classical Studies

- Broege, V. A. "Ovid's Autobiographical Use of Mythology in the Tristia and Epistulae ex Ponto", Classical Association of Canada, St. John's, Newfoundland, May, 1971.
- Broege, V. A. "Horace's Use of Mythology in his Lyric Poetry", Colloquium on Horace, Department of Classical Studies, U.W.O., March, 1971.
- Broege, V. A. "The Classics and the Contemporary Scene", Conference on Curricular Innovation in Ancient and Modern Studies, Ann Arbor, Michigan, March, 1971.
- Littlewood, A. R. "Ancient Magic", London Public Library, London, Ontario, February, 1971.
- Littlewood, A. R. "The Druids", London Public Library, London, Ontario, February, 1971.
- Littlewood, A. R. "Sport in Ancient Greece", London Public Library, London, Ontario, February, 1971.
- Timothy, H. B. "Lucius Annaeus Seneca: His Continuity with Essential Stoic Thought", Classical Association of Canada, St. John's, Newfoundland, May, 1971.
- Timothy, H. B. "The Gnostic Way in Plato, Late Roman Stoicism, and Clement of Alexandria", North American Patristic Society, New York, U.S.A., December, 1970.

Department of English

- RAJAN, B. "Yeats and the Renaissance", Yeats Summer School, Sligo, August, 1970.
- RAJAN, B. "Yeats, Synge and the Tragic Understanding", Inter-University Seminar in Irish Studies, Toronto, Ontario, February, 1971.
- RAJAN, B. "To Which is Added Samson Agonistes", Milton Tercentenary Lecture Series, U.W.O., March, 1971.
- RAJAN, B. "W. B. Yeats and the Poetry of Confrontation", Queen's University, Kingston, Ontario, March, 1971.
- Bieman, E. "The Circuit of Love: A Montage", Mediaeval-Renaissance Seminar, U.W.O., January, 1971.
- Carmody, T. F. "J. M. Synge and G. B. S. as Satirists of Irish Romance", New York Shavians, New York, U.S.A., April, 1971.
- Collins, T. J. "Prolegomenon to a Reexamination of Browning's Late Poetry", The Annual Armstrong Browning Lecture, Waco, Texas, U.S.A., May, 1971.
- Devereux, E. J. "John Rastell's Printing Career", Quaducts at Massey College, Toronto, Ontario, October, 1970.
- Hensley, D. "Wordsworth and The Excursion: A Version of The Recluse", Department of English series "The Romantics as Critics of Wordsworth", U.W.O.
- Hieatt, C. B. "Ogier The Dane in Old Norse: The Karlamaagnus Saga Version", Medieval Institute, University of Western Michigan, Michigan, May, 1971.

- Hieatt, C. B. "Alliterative Patterns in the Hypermetric Lines of Old English Verse", ACUTE, St. Johns, Newfoundland, May, 1971.
- Klinck, C. F. "Salmagundi in Canada: Washington Irving, James K. Paulding, and some of their Contemporaries in Canada", Conference of the American Association for Canadian Studies at Duke University, Durham, North Carolina, April, 1971.
- Parker, G. D. "Delacroix and Shakespeare", Humanities Association of London, London, Ontario, February, 1971.
- Rans, G. "McLuhan: Hot, Cool, and Cold-Hearted", Glendon College, York University, Toronto, Ontario.
- Reaney, J. "Speech and Drama Workshop", Welland County Roman Catholic Separate School Board, Niagara Falls, Ontario, October, 1970.
- Reaney, J. "A Lecture in Canadian Literature", University of Waterloo, Waterloo, Ontario, March, 1971.
- Reaney, J. "The Opening Address", Conference on Canadian Literature and Culture at Mohawk College, Hamilton, Ontario, February, 1971.
- Reaney, J. "Performance of One-Man Moccque - with discussion", Victoria College, Toronto, Ontario, February, 1971.

Department of Fine Art

- Hart, W. S. "Eighteenth Century Naval Artists on the North Coast; From Captain Cook to Vancouver", Humanities Association of Canada, London Branch, December, 1970.
- Hart, W. S. "Lawren Harris and Theosophy", English Class - Canadian Literature and Culture, London, Ontario, November, 1970.
- Hart, W. S. "Lawren Harris - Problems of Regionalism, Nationalism and Internationalism", London Public Library and Art Gallery, London, Ontario, April, 1971.
- Hart, W. S. "Reality", London Psychiatric Hospital, London, Ontario, May, 1971.

Department of French

- Baguley, D. "L'anti-intellectualisme de Zola", Colloque 71: Zola, U.W.O., London, Ontario, April, 1971.
- Baguley, D. "Les contes de Zola", University of Toronto, Toronto, Ontario, April, 1971.
- Bush, W. "Bernanos and the Problem of the Catholic Novel", Macalester College, St. Paul, Minnesota, U.S.A., May, 1971.
- Bush, W. "Baudelaire et Les Fleurs du Mal", Macalester College, St. Paul, Minnesota, U.S.A., May, 1971.
- Bush, W. "Commencement Exercises Address", St. Vladimir's Orthodox Seminary, New York, N.Y., U.S.A., May, 1971.
- Sanders, J. B. "Antoine, Zola et le théâtre", Colloque 71: Zola, U.W.O., London, Ontario, April, 1971.
- Smith, M. "Ronsard and the Reformation", Renaissance Colloquium, U.W.O., London, Ontario, November, 1970.
- Smith, M. "Queen Elizabeth I and the French Poets", Open House, U.W.O., London, Ontario, October, 1970.
- Smith, M. "Subversive Political and Religious Opinions in the French Renaissance", Humanities Association Meeting, U.W.O., London, Ontario, March, 1971.

## Department of German

- Tracy, G. L. "Barlach und das Absurde Theater", Freie Universität, Berlin, West Berlin, Germany, December, 1970.
- Tracy, G. L. "Brecht und das Anti-Illusionäre Theater", series of lectures on guest professorship, Freie Universität, Berlin, West Berlin, Germany, May to July, 1971.

Department of Philosophy

- Binkley, R. W. "Sellars on Change of Meaning or Change of Belief", Philosophy Department Colloquium, U.W.O., London, Ontario, October, 1970.
- Binkley, R. W. "Ultimate Justifications of Morality", University of Waterloo, Waterloo, Ontario, March, 1971.
- Block, I. "Austin and the Cartesians", Philosophy Colloquium, University of Guelph, Guelph, Ontario, December, 1970.
- Block, I. "Substance in Aristotle", Departments of Philosophy and Classics, Harvard University, Cambridge, Mass., U.S.A., February, 1971.
- Bub, J. "Aristotle's Sea Battle and Schrodinger's Cat", Department of Philosophy, Hemlock Society, U.W.O., London, Ontario, February, 1971.
- Butts, R. E. "Putnam on Explanation and Reference", Colloquium 1970 'Conceptual Change', U.W.O., London, Ontario, November, 1970.
- Butts, R. E. "Kant's Philosophy of Science", University of Ottawa, Ottawa, Ontario, January, 1971.
- Butts, R. E. "William Whewell's Logic of Induction", Conference on the Foundations of Scientific Method: the Nineteenth Century, Indiana University, Bloomington, Indiana, U.S.A., November, 1970.
- Butts, R. E. "Discussion of Papers on Kant's Philosophy of Science by Gerd Buchdahl and Robert Palter", Third International Kant Congress, University of Rochester, Rochester, New York, U.S.A., April, 1970.
- Davis, J. W. "Berkeley's Divine Visual Language", Learned Societies Conference, St. John's, Newfoundland, June, 1971.
- Davis, J. W. "Berkeley's Escape from Privacy", Western Division American Philosophical Association, Chicago, Illinois, U.S.A., May, 1971.
- Freed, B. "Names and Descriptions in Psychological Contexts", Hemlock Society, Department of Philosophy, U.W.O., London, Ontario, October, 1970.
- Harper, W. "Probability Kinematics and Conditional Probability", Hemlock Society, Department of Philosophy, U.W.O., London, Ontario, April, 1971.
- Harper, W. "Kant's Empirical Realism and the Second Analogy of Experience", International Kant Congress, Rochester, New York, U.S.A., March, 1971.
- Hooker, C. A. "Global Theories", Philosophy Department, York University, Toronto, Ontario, February, 1971.
- Hooker, C. A. "The Algorithmic Generation of Hypotheses: Some Critical Comments", Learned Societies Conference, St. John's Newfoundland, June, 1971.

- Hooker, C. A. "Professor Jauch's Theory of Measurement in Quantum Theory", Quantum Theory Conference, U.W.O., London, Ontario, March, 1971.
- Johnson, H. J. "Non-natural Predicates, the Naturalistic Fallacy and Natural Law", Learned Societies Conference, St. Johns, Newfoundland, June, 1971.
- Marras, A. "Sellars on Thought and Language", Faculty Colloquium, Department of Philosophy, U.W.O., London, Ontario, October, 1970.

Department of Russian Studies

- Bernotas, N. S. "The Inner Dynamics of Chekhov's Plays", Conference of the Canadian Association of Slavists, 1971 Learned Societies, St. John's, Newfoundland, June, 1971.
- Neuhauser, R. "N. M. Karamzin's Spiritual Crisis of 1793-94", Memorial University of Newfoundland, Learned Societies (Canadian Association of Slavists, St. John's, Newfoundland, June, 1971.

Department of Spanish and Italian

- Lopez-Pacheco, J. "Round-Table Discussion on Gustavo Adolfo Becquer", Symposium in Commemoration of Centenary of Death of Gustavo Adolfo Becquer (University of Toronto), Toronto, Ontario, November, 1970.
- Lopez-Pacheco, J. "Readings from His New Novel, La Hoja de Parra", Rencontre sur le roman hispanique (Université Laval), Quebec, Quebec, November, 1970.
- Newman, J. C. "Student Attitudes Towards Foreign Languages", Second International Conference of the Ontario Modern Language Teachers Association, Toronto, Ontario, March, 1971.
- Smieja, F. L. "Spanish-Polish Literary Relations", Polish Institute, McGill University, Montreal, Quebec, May, 1971.
- Smieja, F. L. "Problems of Second-Generation Emigre Poetry", The Kontynenty Group, AAASS, Montreal, Quebec, May, 1971.

FACULTY OF SCIENCE

Department of Applied Mathematics

- Blackwell, J. H. "Transient Heat Flow from a Thin Circular Disc", University of Windsor, Windsor, Ontario, March, 1971.
- Deakin, A. S. "Asymptotic Solutions of the Wave Equation in a Half-Space", U.W.O., London, Ontario, December, 1970.
- Ehrman, J. B. "A Model for the Electron and Ion Distributions in the Ion Pickup Region of an Electron Ring Accelerator", Chalk River Nuclear Laboratories, Chalk River, Ontario, May, 1971.
- Sakmar, I. A. "Partial Waves with Complex Index", U.W.O., London, Ontario, November, 1970.
- Sullivan, P. J. "Penetration of a Density Interface by Heavy Vortex Rings", CANGAM 71, Calgary, Alberta, May, 1971.
- Talman, J. D. "Regge Trajectories for the Asymmetric Rotator", U.W.O., London, Ontario, October, 1970.

- Watts, A. "Surface Waves on Water of Varying Depth", U.W.O., London, Ontario, April, 1971.
- Zamir, M. "Boundary Layer Theory and the Flow in a Streamwise Corner", U.W.O., London, Ontario, March, 1971.
- Zamir, M. "Experimental Investigation of the Boundary Layer in a Streamwise Corner", Université Laval, Quebec City, P.Q., March, 1971.
- Zamir, M. "Incompressible Flow in the Neighbourhood of a Piecewise Boundary", Third Canadian Congress of Applied Mechanics, Calgary, Alberta, May, 1971.

#### Department of Astronomy

- Gray, D. F. "Photomultipliers: Friend or Foe?", University of Michigan, Ann Arbor, Michigan, September, 1970.
- Landstreet, J. D. "Magnetism in White Dwarfs", University of Rochester, Rochester, New York, October, 1970.
- Landstreet, J. D. "Magnetism in White Dwarfs", Yerkes Observatory, Williams Bay, Wisconsin, November, 1970.
- Landstreet, J. D. "Magnetism in White Dwarfs", University of Toronto, Toronto, Ontario, March, 1971.
- Landstreet, J. D. "The Polarization of Radiation from White Dwarfs", IAU Meetings, Brighton, England, August, 1970.
- Landstreet, J. D. "Measurement of the Circular Polarization of Pulsar NP0532", IAU Symposium, Manchester, England, August, 1970.
- Landstreet, J. D. "The Polarization of Radiation from White Dwarfs", IAU Symposium, St. Andrews, Scotland, August, 1970.
- Landstreet, J. D. "Magnetism in White Dwarfs", University of Michigan, Ann Arbor, Michigan, April, 1971.

#### Department of Chemistry

- Arnold, D. R. Session Chairman at Frontiers of Photochemistry: An American Chemical Society Symposium, Tarrytown, New York, 1970.
- Arnold, D. R. "The Electronic Excited States of Small Ring Compounds: Heterobicyclopentanes", Photochemistry Conference (IUPAC), St. Moritz, Switzerland, July, 1970.
- Arnold, D. R. "The Electronic Excited States of Small Ring Compounds: Heterobicyclopentanes", University of Toronto, Toronto, Ontario, November, 1970.
- Arnold, D. R. "The Electronic Excited States of Small Ring Compounds: Heterobicyclopentanes", Temple University, Philadelphia, Pennsylvania, February, 1971.
- Baird, N. C. "Molecular Orbital Calculations of the Energy and Geometry and Polyene $\pi\pi^*$  Triplets", 3rd IUPAC Symposium on Photochemistry, St. Moritz, Switzerland, July, 1970.
- Bancroft, G. M. "Mossbauer Spectra of Lunar Samples", Mineralogical Association of Canada, Winnipeg, Manitoba, August, 1970.
- Bancroft, G. M. "Site Populations in Silicate Minerals", McMaster University, Hamilton, Ontario, January, 1971.
- Bancroft, G. M. "Mossbauer Spectra of Lunar Samples", 2nd NASA Lunar Conference, Houston, Texas, January, 1971.

- Bancroft, G. M. "Analytical Determination of Mossbauer Hyperfine Parameters", 7th Mossbauer Methodology Conference, New York, February, 1971.
- Bidinosti, D. R. "Mass Spectrometry of Some Cyclopentadienyl Metal Carbonyls", Birkbeck College, March, 1971.
- Bolton, J. R. "Spin Delocalization into Perfluoroalkyl Side Chains of Organic Free Radicals", Society for Applied Spectroscopy, New Orleans, Louisiana, October, 1970.
- Bolton, J. R. "The Reversible Photooxidation of Chlorophyll: A Study of the Chlorophyll Benzoquinone Systems Utilizing Flash Photolysis and ESR Spectroscopy", 2nd Symposium on Electron Spin Resonance Sponsored by the Div. of Phys. Chem., of the A.C.S., University of Georgia, Athens, Georgia, December, 1970.
- Brand, J. C. D. "Structure of Some Electronically-Excited Molecules", University of Colorado, Boulder, Colorado, November, 1970.
- Brand, J. C. D. "Structures of Some Electronically-Excited Molecules", University of Guelph, Guelph, Ontario, February, 1971.
- Brand, J. C. D. "Ultraviolet Spectroscopy and Excited State Structures", A.C.S., Cincinnati, Ohio, March, 1971.
- Brand, J. C. D. "The Triplet States of  $\text{SO}_2$  and Other Molecules", Div. of Physics, N.R.C., Ottawa, Ontario, April, 1971.
- Chan, R. K. " $\text{SO}_2$ - $\text{CaCO}_3$  Reaction by Thermogravimetric Analysis", C.I.C., Halifax, Nova Scotia, June, 1971.
- Clark, H. C. "Preparing Chemists to Meet Society's Future Needs", Int. Conf. on Education in Chemistry, sponsored by the A.C.S., Snowmass-at-Aspel, July, 1970.
- Clark, H. C. "Some Organic Chemistry of Platinum", University of Toronto, Toronto, Ontario, October, 1970.
- Clark, H. C. "Some Organic Chemistry of Platinum Complexes", University of Montreal, Montreal, Quebec, November, 1970.
- Clark, H. C. "University-Industry Relations", University of Guelph, Wellington-Waterloo Section of the C.I.C., February, 1971.
- Clark, H. C. "Some Organic Chemistry of Platinum Complexes", University of Waterloo, Waterloo, Ontario, March, 1971.
- De Mayo, P. "Photoannulation", Gunma University, Japan, March, 1971.
- De Mayo, P. "Flash Thermolysis", Sendai University, Japan, March, 1971.
- De Mayo, P. "Pentalene", Sendai University, Japan, March, 1971.
- De Mayo, P. "Primycin", Sendai University, Japan, March, 1971.
- De Mayo, P. "Flash Thermolysis", Saganin Res. Labs., Japan, March, 1971.
- De Mayo, P. "Photochemistry of Aromatic Nitro Compounds", Plenary Lecturer, Japan Chem. Soc., Japan, April, 1971.
- De Mayo, P. "Flash Thermolysis", Nagoya University, Japan, April, 1971.
- De Mayo, P. "Flash Thermolysis", Kanzawa University, Japan, April, 1971.
- De Mayo, P. "Photoannulation", University of Manitoba, Winnipeg, Manitoba, November, 1970.
- De Mayo, P. "Photoannulation", Kyoto University, Japan, March, 1971.
- De Mayo, P. "Flash Thermolysis", Osaka University, Japan, March, 1971.



- De Mayo, P. "Photoannulation", Shionogi Labs., Japan, April, 1971.
- De Mayo, P. "Photoannulation", Northwestern University, Evanston, Illinois, October, 1971.
- Haines, R. A. "Cobalt(III) Complexes Containing Optically Active Hydroxy Acids", Inorganic Discussion Weekend, Guelph, Ontario, October, 1970.
- Haines, R. A. "Stereoselectivity in Cobalt(III) Complexes Containing 1,2-Propenediamine", C.I.C. Conference, Halifax, Nova Scotia, June, 1971.
- Hunter, D. H. "ElcB Reactions. Stereochemistry and the Counterion", A.C.S. 161st National Meeting, Los Angeles, California, April, 1971.
- Hunter, D. H. "A 2,4-diazapentadienyl Anion. Prototropy and Cyclization", C.I.C. 54th Conference, Halifax, Nova Scotia, June, 1971.
- Jacobs, P. W. M. "Photochemistry in the Solid State", Photochemistry Short Course, U.W.O., London, Ontario, May, 1971.
- Jacobs, P. W. M. "Photochromism", Photochemistry Short Course, U.W.O., London, Ontario, May, 1971.
- Kidd, R. G. "The Aluminum-27 NMR Shifts of the Tetrahaloaluninate Ions in Solution", Autumn Meeting of the Chem. Soc., Imperial College, September, 1970.
- King, J. F. "Sulfenes", The Biennial Symposium of the Organic Div. of the C.I.C., 'Heteroatom Chemistry', U.W.O., London, Ontario, August, 1971.
- King, J. F. "Trapping the Elusive Sulfene", University of Guelph, Guelph, Ontario, January, 1971.
- King, J. F. "The 'Sulfo-Cope' Rearrangement", 54th Can. Chem. Conf., Halifax, Nova Scotia, May, 1971.
- Lorimer, J. W. "Light Scattering, Refractivity and Specific Volume in Polydisperse Systems of Low Molecular Weight", IUPAC Int. Conf. on Macromolecules, Leiden, The Netherlands, September, 1970.
- Lorimer, J. W. "Some Properties of Polymeric Titanium Oxide Trimethylsilyloxides in Solution", Queen Mary College, March, 1971.
- Lorimer, J. W. "Light Scattering and the Properties of Solutions", Aberdeen University, June, 1971.
- Lorimer, J. W. "Light Scattering and the Properties of Solutions", Imperial College, June, 1971.
- Lorimer, J. W. "Light Scattering and the Properties of Solutions", University of Southampton, June, 1971.
- Lorimer, J. W. "Thermodynamics of Irreversible Processes" (10 lectures), University of Southampton, January-March, 1971.
- Meath, W. J. "The Structure of the Multipole Treatment of Intermolecular Forces", University of Iowa, November, 1970.
- Meath, W. J. "A Perturbation Theory for Intermediate Range Intermolecular Forces", 54th Annual C.I.C. Conference, Halifax, Nova Scotia, June, 1971.
- Payne, N. C. "Crystal Structure and Absolution Configuration of  $[\text{Co}(3,2,3\text{-tet})(\text{NO}_2)_2]\text{Br}$ ", Inorganic Discussion Weekend, Guelph, Ontario, October, 1970.
- Stothers, J. B. "Organic Applications of  $^{13}\text{C}$  NMR Spectroscopy", University of Saskatchewan, Saskatoon, Sask., April, 1971.

- Stothers, J. B. "Organic Applications of  $^{13}\text{C}$  NMR Spectroscopy", 54th C.I.C. Meeting, Halifax, Nova Scotia, June, 1971.
- Stothers, J. B. "Stereochemical Effects on  $^{13}\text{C}$  Shieldings", 54th C.I.C. Meeting, Halifax, Nova Scotia, June, 1971.
- Stothers, J. B. "Organic Applications of  $^{13}\text{C}$  NMR Spectroscopy", 161st A.C.S. Meeting, Los Angeles, California, March, 1971.
- Stothers, J. B. "Organic Applications of  $^{13}\text{C}$  NMR Spectroscopy", University of Saskatchewan, Saskatoon, Sask., April, 1971.
- Stothers, J. B. "Organic Applications of  $^{13}\text{C}$  NMR Spectroscopy", University of Alberta, Edmonton, Alberta, April, 1971.
- Sukava, A. J. "Cathode Overpotential and Electrosorption Effects of Dicarboxylic Acids During Electrodeposition of Copper", C.I.C. Conference, Halifax, Nova Scotia, June, 1971.
- Warnhoff, E. W. "The Oxygenation of Azlactones", 54th Annual Conference of the C.I.C., Halifax, Nova Scotia, June, 1971.
- Warnhoff, E. W. "The Stereochemistry of Ketone Halogenation", University of Buffalo, Buffalo, New York, March, 1971.
- Warnhoff, E. W. "The Stereochemistry of Ketone Halogenation", Brock University, St. Catharines, Ontario, March, 1971.
- Willis, C. J. "Fluoro-Imine Complexes of Platinum", C.I.C. Conference, Halifax, Nova Scotia, May, 1971.

#### Department of Computer Science

- Carroll, J. M. and Williams, J. I. "The Privacy Audit: A Methodology for Systems Investigation", Computer Science Association, St. John's, Newfoundland, June, 1971.
- Carroll, J. M. and Williams, J. I. "The Privacy of Student Records - The Computing Point of View", Second Ontario Universities Computing Conference, Ottawa, Ontario, January, 1971.
- Gargantini, I. "Circular Arithmetic and the Determination of Polynomial Zeros", Society for Industrial and Applied Mathematics, Seattle, Washington, June, 1971.

#### Department of Geology

- Church, W. R. "Geosynclines and 'Dirty Leading Edges'", University of Toronto, Toronto, Ontario, 1971.
- Church, W. R. "Ophiolite: Its Definition Origin as Oceanic Crust", NACGS/ACGG Geodynamics Symposium, Ottawa, Ontario, 1970.
- Church, W. R. "Nature and Evolution of Proterozoic and Phanerozoic Orogenic Belts", Geological Association of Canada, Sudbury, Ontario, May, 1971.
- Dreimanis, A. "Recession of the Laurentide Ice Sheet and the Significance of the Two Creeks Interstadial", American Quaternary Association, Bozeman, Montana, August, 1970.
- Dreimanis, A. "Climatic Changes from 14,000 to 9,000 Years Ago: Northern Europe", American Quaternary Association, Bozeman, Montana, August, 1970.
- Dreimanis, A. "Stratigraphy and Correlation of the Late Quaternary", American Quaternary Association, Bozeman, Montana, August, 1970.

- Dreimanis, A. "Criteria for Distinction of Till from Other Diamictos", American Quaternary Association, Bozeman, Montana, August, 1970.
- Dreimanis, A. and Goldthwait, R. P. "Wisconsin Glaciation in Huron, Erie and Ontario Lobal Areas", Geological Society of America, Milwaukee, Wisconsin, November, 1970.
- Dreimanis, A. with Mörner, N.-A. "The Erie Interstadial", Geological Society of America, Milwaukee, Wisconsin, November, 1970.
- Dreimanis, A. "Wisconsin Glaciation in the Eastern Great Lakes Region", Wayne University Geology Colloquium, Detroit, Michigan, April, 1971.
- Edgar, A. D. "Eudialyte from Kipawa Lake Area, Quebec", Geological Association of Canada, Winnipeg, Manitoba, September, 1970.
- Edgar, A. D. "The Potash and Soda-rich Differentiation Trends in Under-saturated Alkaline Lavas", University of Manchester, Manchester, Lancashire, England, November, 1970.
- Edgar, A. D. "Gli Andamanti Della Differenzazione Delle Serie Potassiche e Sodiche Nelle Lave Alaline Sottosaturate", Institute of Mineralogy, Geochemistry and Petrography, University of Milan, Milan, Italy, November, 1970.
- Edgar, A. D. "An Interpretation of Phase Relations in the System Diopside-forsterite-nepheline-albite-leucite and Their Petrogenetic Significance", Fourth Annual Experimental Petrology Symposium, Kingston, Ontario, February, 1971.
- Fleet, M. E. L. "Refinement of the Crystal Structure of Cubanite", Mineralogical Association of Canada, Winnipeg, Manitoba, August, 1970.
- Fleet, M. E. L. "The Crystal Structure of a Pyrrhotite", Geological Association of America, Milwaukee, Wisconsin, November, 1970.
- Hodder, R. W. and Hutchinson, R. W. "Possible Tectonic and Metallogenic Relationships Between Porphyry Copper and Massive Sulphide Deposits", Canadian Institute of Mining and Metallurgy, Quebec City, Quebec, April, 1971.
- Hodder, R. W. and Hollister, V. F. "Structural Features of Porphyry Copper Deposits Related to the Tectonic Evolution of Continents", Canadian Institute of Mining and Metallurgy, Quebec City, Quebec, April, 1971.
- Hutchinson, R. W. "The Mineralogy, Geochemistry and Origin of Cyprus Sulphide Deposits", International Association on Genesis of Ore Deposits, Tokyo, Japan, August, 1970.
- Hutchinson, R. W. "Vulcanogenic Sulphide Deposits and Their Metallogenic Significance", University of Waterloo, Waterloo, Ontario, December, 1970.
- Hutchinson, R. W. "Tectonic Significance of Mineral Deposit Types in Archean and Younger Rocks", Geological Survey of Canada, Ottawa, Ontario, January, 1971.
- Hutchinson, R. W. "Possible Tectonic and Metallogenic Relationships Between Porphyry Copper and Massive Sulphide Deposits", Canadian Institute of Mining and Metallurgy, Quebec City, Quebec, April, 1971.
- Lenz, A. C. "Ordovician to Devonian History of Northern Yukon and Adjacent Northwest Territories", Wayne State University, Detroit, Michigan, December, 1970.
- Lenz, A. C. "Ordovician to Devonian History of Northern Yukon and Adjacent District of Mackenzie", Second International Symposium on Geology of the Arctic, San Francisco, California, February, 1971.

- MacRae, N. D. "Experimental Investigations of Some Sulfide-Silicate Reactions in the Hydrothermal Temperature Range", Mineralogical Association of Canada, Sudbury, Ontario, May, 1971.
- Pearce, T. H. "The Analysis of Chemical Variation in Basic Rock Suites", Geological Society of America, Milwaukee, Wisconsin, November, 1970.
- Platt, R. G. "Melilite Crystallization in Volcanic Rocks - A Review", Fourth Annual Experimental Petrology Symposium, Queen's University, Kingston, Ontario, February, 1971.
- Suffel, G. G. "Metamorphism of Massive Sulphides at Manitouwadge, Ontario, Canada", International Association Genesis of Ore Deposits, Tokyo, Japan, August, 1970.
- Winder, C. G. "Training Secondary School Teachers", Geological Association of Canada Symposium on Earth Science in Secondary Schools, Sudbury, Ontario, May, 1971.
- Young, G. M. "Huronian Correlations - A Discussion", Penrose Conference on the Precambrian, Laramie, Wyoming, September, 1970.
- Young, G. M. "Stratigraphic and Sedimentological Framework of Huronian Rocks of the Southern Province of the Canadian Shield", Geological Association of Canada, Sudbury, Ontario, May, 1971.

#### Department of Geophysics

- Beck, A. E. "A Case for the Non-equivalence of Continental and Oceanic Heat Flows", Institute of Earth and Planetary Sciences, University of Alberta, Edmonton, Alberta, April, 1971.

#### Department of Mathematics

- Ali, M. M. and Iqbal, M. "Jackknifed Estimator of the Parameters of Generalised Exponential Model" (Joint paper with M. Iqbal), The Seventeenth Ontario Mathematics Meeting, Toronto, Ontario, December, 1970.
- Naylor, D. "A Simplified Theory of Eigenfunction Expansion", University of Toronto, Toronto, Ontario, December, 1970.
- Thierrin, G. "Decomposition of Automata", Seminar on Artificial Intelligence", Montreal, Quebec, January, 1971.
- Thierrin, G. "Irreducible Automata", Canadian Mathematical Congress, Thunder Bay, Ontario, June, 1971.

#### Department of Physics

- Abdu, M. A. "Meteor Absorption Experiment at U.W.O.", Dept. of Physics, U.W.O., London, Ontario, February, 1971.
- Chefurka, P. M. and Simons, G. "University Headstart for Indian Students", Canadian Guidance and Counselling Association, Toronto, Ontario, June, 1971.
- Edmonds, D. S. (Dept. of Physics, U.W.O., and Boston Univ.) "Atomic Beam Magnetic Resonance Experiments", Department of Physics, U.W.O., London, Ontario, August, 1970.
- Forsyth, P. A. "Phase and Amplitude Measurements using Satellites", University of British Columbia, Vancouver, B.C., January, 1971.
- Forsyth, P. A. "Recent Research in the Centre for Radio Science", University of Saskatchewan, Saskatoon, Sask., January, 1971.

- Forsyth, P. A. "Angular Scintillations in the Ionosphere", University of West Indies, Kingston, Jamaica, February, 1971.
- Forsyth, P. A. "Recent Beacon Experiments at U.W.O.", Communications Research Centre, Ottawa, Ontario, April, 1971.
- Forsyth, P. A. "Contemporary Science at Western", Congress of Canadian Association of Physicists, Ottawa, Ontario, June, 1971.
- Froelich, H. R. "The Racetrack Microtron Project at U.W.O.", Department of Physics, U.W.O., London, Ontario, January, 1971.
- Gaily, T. D. "A Measurement of the Charge Exchange Cross Section in  $\text{He}^+ - \text{H}^-$  Collisions", Second National Meeting of the Division of Electron and Atomic Physics of the American Physical Society, Seattle, Washington, November, 1970.
- Gallaher, D. F. "Proton-Hydrogen Scattering: the Search for a Useful Expansion Basis", C.A.P. Congress 1970, University of Manitoba, Winnipeg, Manitoba.
- Hajkowicz, L. A. "Radio Absorption and Associated Auroral Phenomena at Magnetically Conjugate Areas", Physics Department, U.W.O., London, Ontario, October, 1970.
- Hay, D. R. "Some Problems of Calibration Instability in Radio Refractometers", lecture presented at NATO Advanced Study Institute, Tretten, Norway, April, 1971.
- Hay, D. R. "Instrumentation for Probing Wind Shear and Temperature Profiles up to one Kilometer", lecture presented at NATO Advanced Study Institute, Tretten, Norway, April, 1971.
- Hay, D. R. "Laboratory Simulation of Natural Convection into a layer of Neutral Stability", Second Canadian Conference on Micrometeorology, Montreal, Quebec, May, 1971.
- Lane-Smith, D. R. "Response of Precipitation Current to Step Changes of Electric Field", Fourth Annual Congress of the Canadian Meteorological Society, Winnipeg, Manitoba, June, 1970.
- Leung, M. "The Struggle for Existence", Department of Physics, U.W.O., London, Ontario, May, 1971.
- Lyon, G. F. and Holbrook, J. A. D. "The Focussing Effect on Satellite Radio Observations Due to Travelling Ionospheric Disturbances", COSPAR Meeting, Seattle, Washington, June, 1971.
- McGowan, J. W. "Electron-Hydrogen Collisions Relevant to Astrophysical Problems", Astronomy Department, U.W.O., London, Ontario, October, 1970.
- McGowan, J. W. "Use of Accelerators to Study the Negative Work Function", Rensselaer Polytechnic, Troy, New York, October, 1970.
- McGowan, J. W. "Positron Collisions in Gases", New England Institute Conn., October, 1970.
- McGowan, J. W. "Collisions of Positrons in Gases", University of Winnipeg, Winnipeg, Manitoba, December, 1970.
- McGowan, J. W. "How do Electron and Positron Scattering cross sections Differ?", University of Denver, Denver, Colorado, February, 1971.
- McGowan, J. W. A series of seven lectures on photon, electron, positron and ion interactions with atoms and molecules. Two seminars: "How is a Positron like an Electron?" and "The Application of Small Accelerators to Pure and Applied Problems", The Laboratory at Centro Atomico Bariloche, Argentina, April-May, 1971.

- Mickle, R. E.  
and Lowe, R. P. "Rotational Excitations of  $N_2^+$  Produced in  $Na^+-N$  Collisions", 23rd Annual Gaseous Electronic Conference, Hartford, Conn., October, 1970.
- Palmer, A. J.  
and McGowan, J. W. "Excitation Processes in the Cathode Region of a Glow Discharge through Metal-Vapor-Noble-Gas Mixtures", 23rd Annual Gaseous Electronic Conference, Hartford, Conn., October, 1970.
- Tong, B. Y. "Kohn-Sham Self-consistent Scheme and its Applications to Atoms, Metals, and Surface Problems", University of Toronto, Toronto, Ontario, November, 1970.

Department of Plant Sciences

- Abrami, G. F. "A New Method for Calculation of 'Heat Units' Using Two Biological Thresholds", Canadian Botanical Association, Annual Meeting, University of Alberta, Edmonton, Alberta, June, 1971.
- Cavers, P. B. Summary of the conference on "The Dynamics of Numbers in Populations" on behalf of the botanists attending. Advanced Study Institute entitled "Dynamics of Numbers in Populations", sponsored by N.A.T.O. and the Dutch Government. Oosterbeek, Netherlands, September, 1970.
- Cavers, P. B. "The experimental approach to weed ecology", Department of Plant Ecology, University of Groningen, The Netherlands, September, 1970.
- Cavers, P. B.  
and Maun, M. A. "Manipulation of the Parent Plant to Influence Seed Size, Germination Response, and Seedling Vigor of the Progeny using *Rumex crispus* L.", American Association for the Advance of Science, Annual Meeting, Chicago, Illinois, December, 1970.
- Cook, F. S. "An Enzymatic and E.M. Study of some Organelles of Maize Endosperm", Canadian Botanical Association and American Institute of Biological Sciences - Joint Meetings, Edmonton, Alberta, June, 1971.
- Cumming, B. G. "Bioperiodism", Department of Biology, McMaster University, Hamilton, Ontario, November, 1970.
- Cumming, B. G. "Bioperiodism", MSU/AEC Plant Research Laboratories, Michigan State University, East Lansing, Michigan, January, 1971.
- Cumming, B. G. "The significance of rhythmic processes in the response of plants to the environment", Department of Crop Sciences, University of Guelph, Guelph, Ontario, February, 1971.
- Davies, J. S.  
and Wellman, A. M. "Fungi which utilize gaseous alkalines", Canadian Botanical Association/A.I.B.S. Meetings, Edmonton, Alberta, June, 1971.
- Day, A. W. "Mechanism of Mitotic haploidization in *Ustilago violacea*", Genetical Society Meeting, London, England, December, 1970.
- Day, A. W.  
and Poon, N. H. "Mitotic haploidization in *Ustilago violacea*", Canadian Society of Microbiologists, London, Ontario, June, 1971.
- Greyson, R. I.  
and Walden, D. B. "Aberrant Phyllotaxy in Corn", Canadian Botanical Association/A.I.B.S. Joint Meeting, Edmonton, Alberta, June, 1971.
- Hawthorn, W. R. "Life History Strategies in Natural Populations of Two Weedy Species", 25th Technical Sessions on Biological Research at the University of Windsor, Windsor, Ontario, February, 1971.
- Hickman, C. J. "Aspects of the Biology of Phycomycete plant pathogens", Macdonald College, McGill University, Montreal, Quebec, March, 1971.
- Hickman, C. J. "Phytophthora and the concept of *P. citricola*", Macdonald College, McGill University, Montreal, Quebec, March, 1971.

- Hopkins, W. G. "Studies on the mechanism for stimulation of cell enlargement by fluorophenylalanine", American Society of Plant Physiologists, Annual Meeting, Indiana University, Bloomington, Indiana, August, 1970.
- Hopkins, W. G. "Phytochrome control over extension growth", Canadian Society of Plant Physiologists, Annual Meeting, University of Toronto, Toronto, Ontario, June, 1971.
- Jancey, R. C. "A Computer Program for Evaluation of Audio-Tutorial Laboratory Utilisation", Second Annual Audio-Tutorial Conference, Purdue University, Lafayette, Indiana, November, 1970.
- Lin, M. S.  
and Walden, D. B. "Chromosomal aberrations and the Nuclear cycle in *Zea mays* L. after treatment with Mitomycin C.", Proceedings of the Canadian Federation of Biological Societies, 14th Annual Meeting, University of Toronto, Toronto, Ontario, June, 1971.
- MacInnes, K. L.  
and Cavers, P. B. "Reproduction in Arctic Populations of *Pedicularis* (*S. crophulariaceae*)". In Symposium: "Aspects of Northern Botany". A.I.B.S./C.B.A.-A.B.C. Interdisciplinary Meetings, Edmonton, Alberta, June, 1971.
- McKeen, W. E. "Lipid in *Erysiphe graminis*", American Phytopathology Meetings, Hot Springs, Arkansas, October, 1970.
- McKeen, W. E. "Woronin bodies in *Erysiphe graminis*", Canadian Botanical Association/A.I.B.S. Meetings, University of Alberta, Edmonton, June, 1971.
- Pendyala, L.  
and Wellman, A. M. "Growth and adenine uptake in the adenine mutants of *Neurospora crassa*", Canadian Society of Microbiologists, London, Ontario, June, 1971.
- Phipps, J. B.  
and Leong, Y. K. "Flavonoid Systematics of *Arundinelleae*", Technical Sessions at Windsor University, Windsor, Ontario, February, 1971.
- Phipps, J. B.  
and Leong, Y. K. "Flavonoid Systematics of *Arundinelleae*", Canadian Botanical Association/A.I.B.S. Meetings at University of Alberta, Edmonton, Alberta, June, 1971.
- Phipps, J. B. "Dendrogram Topology", Canadian Botanical Association/A.I.B.S. Meetings at University of Alberta, Edmonton, Alberta, June, 1971.
- Sawhney, V. K.  
and Greyson, R. I. "Fruit size increase in Tomato (*Lycopersicon psculentum*) through Gibberellic Acid treatments", Canadian Botanical Association/A.I.B.S. Joint Meetings, Edmonton, Alberta, June, 1971.
- Staniforth, R. J. "Investigations into Water Dispersal of the Fruits of Three Annual Species of *Polygonum* L.", 25th Technical Sessions on Biological Research, Windsor, Ontario, February, 1971.
- Staniforth, R. J.  
and Cavers, P. B. "Effects of Burial on Subsequent Germination of Seeds of Three Species of *Polygonum*", A.I.B.S./C.B.A.-A.B.C. Interdisciplinary Meetings, Ecology Section, Canadian Botanical Association, Edmonton, Alberta, June, 1971.
- van Huystee, R. B. "Radiation effects of RNA metabolism", Laboratoire de Physiologie Vegetale, Faculte des Sciences, Sorbonne, Paris, France, July, 1970.
- van Huystee, R. B. "Radiation effects on protein metabolism by plant cells", Laboratoire de Biologie Vegetale du College Scientifique Universitaire, Tours, France, July, 1970.
- van Huystee, R. B. "Cold acclimation in woody plants", Station Biologique de Beau - Site, Poitiers, France, July, 1970.
- van Huystee, R. B. "Peroxidase and catalase changes during plant cell development", Laboratoire de Physiologie Vegetale, Faculte des Sciences, Clermont-Ferrand, France, July, 1970.

- van Huystee, R. B. "Radiation effects on RNA metabolism", Laboratoire de Physiologie Vegetale, Centre Universitaire, Perpignan, France, July, 1970.
- van Huystee, R. B. "Radiation effect on protein metabolism by plant cells", Laboratoire d'Agronomie, Ecole Nationale Superieure Agronomique, Toulouse, France, June, 1970.
- van Huystee, R. B. "Peroxidase and catalase changes during plant cell development", Biochimie Vegetale, Centre Universitaire de Marseille-Luminy, Marseille, France, June, 1970.
- van Huystee, R. B. "Peroxidase and catalase changes during plant cell development", Laboratoire de Physiologie Pluricellulaire, Centre National de la Recherche Scientifique, Gif sur Yvette, France, June, 1970.
- van Huystee, R. B. "Late effects of irradiation on plant cell culture", IVth International Congress of Radiation Research, Evian, France, June, 1970.
- Verma, R. S.  
and Walden, D. B. "Evidence for a Constancy of the Nuclear Cycle among Diploid, Triploid, and Tetraploid stocks of *Zea mays* L.", 25th Technical Session on Biological Research, University of Windsor, Windsor, Ontario, February, 1971.
- Verma, R. S.  
and Walden, D. B. "The Effect of Cycloheximide and Chloramphenicol on the Nuclear Cycle in maize root meristems", 25th Technical Session on Biological Research, University of Windsor, Windsor, Ontario, February, 1971.
- Verma, R. S.  
and Walden, D. B. "Genetic control of Nuclear Cycle in *Zea mays* L. root tips", Proceedings of the Canadian Federation of Biological Societies, 14th Annual Meeting, University of Toronto, Toronto, Ontario, June, 1971.
- Walden, D. B.  
and Jancey, R. C. "Distribution of Chromosome Breakage Point Data", Genetics Society of Canada, Quebec City, Quebec, June, 1971.
- Department of Zoology
- Holsworth, W. N. "Teaching Wildlife Management in Developing Countries", North-East Wildlife Teachers Meeting, University of New Hampshire, August/September, 1970.
- Holsworth, W. N. "Mercury Pollution-Causes and Effects", Port Huron Community College, Port Huron, Michigan, April, 1971.
- Judd, W. W. "Wasps (Vespidae) carrying Pollen of Helleborine, *Epipactis Helleborine*, in the Vicinity of Owen Sound, Ontario", 25th Technical Sessions on Biological Research, University of Windsor, Windsor, Ontario, February, 1971.
- Lieff, B. C.  
and MacInnes, C. D. "Some Biological Factors Underlying Annual Fluctuation in Hunting Mortality of Tall-Grass Prairie Canada Geese", 32nd Midwest Fish and Wildlife Conference, Winnipeg, Manitoba, December, 1970.
- Lieff, B. C.  
and MacInnes, C. D. "Responses of Wild Geese to the Addition of Fertilizers to Arctic Vegetation", 32nd Midwest Fish and Wildlife Conference, December, 1970.
- MacInnes, C. D. "What are the Roles of Individual Variation in Behaviour", Department of Entomology, MacDonald College, McGill University, Montreal, Quebec, January, 1971.
- MacInnes, C. D. "Investigation of Arctic Nesting Geese", Department of Zoology, University of Guelph, Guelph, Ontario, November, 1970.



- Misra, R. K. "Statistical Methods of Analysing for Hybrid Indices Based on Quantitative Traits", Department of Mathematics, University of Waterloo, Waterloo, Ontario, November, 1970.
- Misra, R. K. "Analyses for the Degree of Hybridization", Biological Station of the Fisheries Research Board of Canada, Nanaimo, British Columbia, April, 1971.
- Ogilvie, D. M. "Nembutal-Induced Alterations in the Thermoregulatory Behaviour of the Guppy, *Poecilia Reticulata*", Technical Sessions on Biological Research, University of Windsor, Windsor, Ontario, February, 1971.
- Ogilvie, D. M. "Cardiac Performance During Hypothermia in White Mice (*Mus Musculus*) and White-Footed Mice (*Peromyscus Leucopus*)", The Technical Sessions on Biological Research, University of Windsor, Windsor, Ontario, February, 1971.
- Steele, J. E. "Endocrine Control of Metabolism in the Insect Fat Body", Department of Zoology, University of British Columbia, Vancouver, British Columbia, March, 1971.

#### FACULTY OF SOCIAL SCIENCE

##### Department of Economics

- Batra, R. N. and Casas, F. R. "A Model of Regional Income Differences and Economic Growth", Regional Science Association Meetings, University of Manitoba, Winnipeg, Manitoba, June, 1971.
- Batra, R. N. and Scully, G. W. "Economic Growth and The Terms of Trade: A Theoretical and Empirical Analysis", Econometric Society Meetings, Detroit, Michigan, December, 1970.
- Batra, R. N. and Singh, R. "Intermediate Products and the Two-Sector Growth Model", Econometric Society Meetings, Detroit, Michigan, December, 1970.
- Bhatia, K. B. "Capital Gains and the Aggregate Consumption Function", International Monetary Fund, Washington, February, 1971.
- Bodkin, R. G. "Wage and Price Formation in Selected Canadian Econometric Models", Conference on the Econometrics of Price Determination, Board of Governors of the U.S. Federal Reserve System, Washington, October, 1970.
- Bodkin, R. G. "Wage and Price Formation in Selected Econometric Models", Econometric Society North American Winter Meetings, Detroit, Michigan, December, 1970.
- Bodkin, R. G. "Trade-Off Curves and the Canadian Experience", University of Guelph, Guelph, Ontario, January, 1971.
- Bodkin, R. G. "The Marginal Revolution After One Hundred Years", Canadian Economics Association Meetings, St. John's, June, 1971.
- Bodkin, R. G. and Reuber, G. L. "The Options for Stabilization Policy in Canada", Standing Committee on National Finance, Senate of Canada, Ottawa, Ontario, May, 1971.
- Gately, F. D. "Investment Planning for the Electric Power Industry: An Integer Programming Approach", Econometric Society Winter Meetings, Detroit, Michigan, December, 1970.
- Gately, F. D. "Trade Gap Pessimism in Two-Gap Models for Projecting Foreign Capital Requirements", Staff Seminar, Department of Economics, University of Ghana, Legon, Accra, February, 1971.

- Haessel, W. "An Intersectoral Model of Agricultural and Industrial Development in a Dual Economy", U.S. Agency for International Development Annual Review, Washington, November, 1970.
- Parai, L. "Some Economic Aspects of Post-War Immigration Into Canada", Department of Demography Seminar, Australian National University, Canberra, Australia, April, 1971.
- Reuber, G. L. "Canadian-American Relations", Loyola University, Montreal, Quebec, March, 1971.
- Reuber, G. L. "Canada's Economic Policies Toward the Less-Developed Countries", Evidence submitted to the Parliamentary Sub-Committee on International Development Assistance, Ottawa, Ontario, December, 1970.
- Reuber, G. L. "Wage Determination in Canada", Sir George Williams University, Montreal, Quebec, November, 1970.
- Reuber, G. L. "Canadian-American Relations", University of Guelph Economics Society, Guelph, Ontario, March, 1971.
- Reuber, G. L. and Bodkin, R. G. "The Options for Stabilization Policy in Canada", Brief submitted to the Standing Senate Committee on National Finance, Ottawa, Ontario, May, 1971.
- Saraydar, E. "Approaches to the Bargaining Problem and Its Resolution", Ohio State University, Columbus, Ohio, March, 1971.
- Wonnacott, R. J. "U.S. Foreign Investment and the Recipient Country", International Seminar on Accounting, Bowling Green State University, Bowling Green, May, 1971.
- Wonnacott, R. J. "Effects of Trade Liberalization on the Canadian Economy", York University, Toronto, Ontario, November, 1970.

Department of Geography

- Butler, R. W. "Brief on Provisional Master Plans for Banff, Jasper, Yoho, and Kootenay National Parks", Public Hearing of National Parks Branch, Department of Indian Affairs, and Northern Development, Calgary, Edmonton, Vancouver, April, 1971.
- Butler, R. W. "Brief on Provisional Master Plans for Fundy National Park", Public Hearing of National Parks Branch, Department of Indian Affairs and Northern Development, Moncton, New Brunswick, October, 1970.
- Day, J. C. "A Perspective on International Management of the Great Lakes", Geographical Inter-Universities Resources Management Seminar, Kitchener, February, 1971.
- Day, J. C. "Great Lakes - St. Lawrence Management Problems", Canada Centre for Inland Water, Burlington, April, 1971.
- Day, J. C. "A Canadian's View on International Problems in Managing the Great Lakes", Annual Meeting, Michigan Division of the United Nations Associations of the U.S.A., Battle Creek, Michigan, May, 1971.
- Day, J. C. "The Effect of Dams on Stream Channel Morphology and Vegetation", Session on Ecological Approaches to Man-Environment Problems, Canadian Association of Geographers Annual Meeting, Waterloo, Ontario, June, 1971.
- Goodchild, M. F. and Massam, B. H. "Aggregate Temporal Trends in the Spatial Organization of a Service Agency", Institute of British Geographers, Brighton, United Kingdom, January, 1971.
- Hossé, H. A. "Planning and Urbanization in Latin America", Latin American Seminar, Carleton University, Ottawa, Ontario, November, 1970.

- Janelle, D. G. "The Mass Movement of Land Use Surfaces in London, Ontario: A Conceptual Approach for Isolating Basic Changes in Urban Land Use", The Conference on the Geography of the Future, U.W.O., London, Ontario, October, 1970.
- Janelle, D. G. "Surface Motions: A Key to Isolating Changes in Urban Land Use", The Association of American Geographers, Boston, Mass., April, 1971.
- Janelle, D. G. "Dynamic Models of Land Use Change", Dartmouth College, Hanover, New Hampshire, April, 1971.
- Janelle, D. G. "Recent Developments Concerning the Geography of the Future", The Canadian Association of Geographers, Waterloo, Ontario, June, 1971.
- King, R. H. "The Environmental Significance of Post-Glacial Changes in Sea Level in the Canadian Arctic Archipelago", Quaternary Discussion Group, U.W.O., London, Ontario, December, 1970.
- Langtvet, O. P. "The Identification of the Transitional Stage of De-Escalation in Farming, the Method and its Application to Ausdal, Norway", Canadian Association of Geographers Regional Meeting, Guelph, Ontario, January, 1971.
- Nicholson, N. L. "Teacher Education in London, Ontario, with Particular Reference to the Evolution of a Faculty of Education at The University of Western Ontario", Seminar on "Politics in the History of Education", Ontario Institute for Studies in Education, Toronto, June, 1971.
- Pleva, E. G. "People", Soil Conservation Society of America, York University, Toronto, Ontario, August, 1970.
- Pleva, E. G. "Environmental Quality", Triennial Conference, Canadian Federation of University Women, York University, Toronto, Ontario, August, 1970.
- Pleva, E. G. "The Social Sciences and Canadian Sciences Policy", Association of Scientific Engineering and Technology Community of Canada, Halifax, Nova Scotia, August, 1970.
- Pleva, E. G. "The Megalopolis as Environment", Canadian Society of Chemical Engineers, Sarnia, Ontario, October, 1970.
- Pleva, E. G. "The Mature Approach to Housing", Ontario Housing Conference, London, Ontario, October, 1970.
- Pleva, E. G. "Continental Strategies in Development", Canadian American Seminar, Columbia University, New York, November, 1970.
- Pleva, E. G. "The Systems Approach to Solving Community Problems", Ontario Department of Public Health, London, Ontario, February, 1971.
- Pleva, E. G. "The Urban Environment and Geography", Ontario Urban Environment Seminar, Etobicoke, February, 1971.
- Pleva, E. G. "The Megalopolis as the Community", Ontario Association of Architects, Toronto, Ontario, February, 1971.
- Pleva, E. G. "The Development of London, A Regional City", London 2000, Urgent Future Conference, London, Ontario, March, 1971.
- Pleva, E. G. "Recommendations on Housing Studies", Economic Council, Erie Region, London, Ontario, April, 1971.
- Pleva, E. G. "Environmental Studies and the Universities", University of Toronto Seminar on Environmental Studies, Toronto, Ontario, May, 1971.
- Whebell, C. F. J. "Models of Political Territory", Association of American Geographers Annual Meeting, San Francisco, California, August, 1970.

Department of History

- Armstrong, F. H. "The Family: A Neglected Approach to Canadian Historical Studies", Canadian Historical Association, St. John's, Newfoundland, June, 1971.
- Emery, G. N. "Their Brother's Keeper: The Canadian Methodist Church and Personal Ethics, 1890-1914", History Department, U.W.O., London, Ontario, November, 1970.
- Emery, G. N. "Ontario Denied: The Methodist Church in the Canadian Prairies, 1896-1914", Canadian Historical Association, St. John's, Newfoundland, June, 1971.
- Guinsburg, T. N. "Prospects for American Foreign Policy: Neo-Isolationism?", Canadian Institute of International Affairs, London, January, 1971.
- Gwynne-Timothy, J. R. "Archbishop William Wakr", Canterbury College, University of Windsor, Windsor, Ontario, March, 1971.
- Hilborn, K. H. W. "K. R. Minogue's The Liberal Mind and the Importance of Liberal Ideology in Twentieth Century International Relations", The University of Western Ontario Historical Conference, London, Ontario, February, 1971.
- Hyatt, A. M. J. "Passchendaele: Canadian Footnotes to a British Controversy", Canadian Historical Association, St. John's, Newfoundland, June, 1971.
- Kerr, D. G. G. "Report on Social Science Date Information Centre", Canadian Historical Association, St. John's, Newfoundland, June, 1971.
- Lander, J. R. "Edward IV and Henry VII: Revisions", Colloquium on Fifteenth Century English Studies at University College, Cardiff, September, 1970.
- Neary, P. F. "Party Politics in Newfoundland Since Confederation", University of Ottawa, Ottawa, Ontario, March, 1971.
- Neary, P. F. "Newfoundland: The Making of a Province, 1945-1957", Conference sponsored by U.W.O. History Department and Ontario History and Social Science Teachers' Association, Althouse College, London, Ontario, February, 1971.
- Ogelsby, J. C. "Canadian-Latin American Relations", Carleton University, Ottawa, Ontario, October, 1970.
- Ogelsby, J. C. "Guerilla Movements: Their Essential Ingredients for Success", Carleton University, Ottawa, Ontario, November, 1970.
- Ogelsby, J. C. "Haiti and Santo Domingo", Carleton University, Ottawa, Ontario, November, 1970.
- Ogelsby, J. C. "Problem of Social Science Research in Latin America", OCPLACS, University of Windsor, Windsor, Ontario, March, 1971.
- Ogelsby, J. C. "Canadian - Latin American Relations: The Past, Present, and the Future", Canadian Association of Latin American Studies, Mexico City, 1971.
- Overton, R. C. "The Ordeal of Historical Scholarship", University of Alabama, Tuscaloosa, Alabama, April, 1971.
- Pavloff, V. N. "A) Selected Themes in Russian Intellectual History.  
B) Selected Themes in Soviet Culture". Deutsche Gesellschaft Fur Russlandkunde e V. German Society for the Study of Russia, Bad Homberg and Konigstein, West Germany, August, 1970.
- Pavloff, V. N. "Recent Soviet Reinterpretations of Slavophilism: Debates on the Russian National Heritage", North-East Conference of the American Association for the Advancement of Slavic Studies, Montreal, Quebec, May, 1971.

Ruud, C. A. "A. V. Golovnin and the Problem of the Radical Press", American Association for the Advancement of Slavic Studies, Montreal, Quebec, March, 1971.

Department of Journalism

- Bambrick, F. K. "Influence of Media and Pressure Groups on Local Decision-Making", Department of Political Science, U.W.O., London, Ontario, March, 1971.
- Bambrick, F. K. "Functions of the Committee of Adjustment", Faculty of Law, U.W.O., London, Ontario, March, 1971.
- Beattie, E. J. "Power of the Media", University of Toronto School of Library Science Colloquium Series, "The Social Environment", Toronto, Ontario, December, 1970.
- Beattie, E. J. "Media Ownership, Bias Technology, Journalism Education", Brief to Special Senate Committee on Mass Media, Ottawa, Ontario, January, 1971.
- Laplante, R. E. A. "New Approaches to Television News Presentation", Durham College, Oshawa, Ontario, March, 1971.
- Wilson, C. E. "Myths of the Mass Media", School of Journalism, Carleton University, Ottawa, Ontario, February, 1971.
- Wilson, C. E. "Concepts in Communication Research", School of Journalism, Carleton University, Ottawa, Ontario, February, 1971.

Department of Physical and Health Education

- Cunningham, D. A. "Smoking Habits, Chronic Lung Disease and Physical Fitness", Joint Meeting of American College of Sports Medicine and Canadian Association of Sport Sciences, Toronto, Ontario, May, 1971.
- Cunningham, D. A. "Effect of a Program of Graded Exercise on the Cardiovascular Fitness of Post-Coronary Patients", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.
- Cunningham, D. A. "Physical Activity and Health - A Position Paper", Biennial Meeting of CAHPER, Waterloo, Ontario, June, 1971.
- Cunningham, D. A. "Active Leisure Activities as Related to Age and Occupation", Biennial Meeting of CAHPER, Waterloo, Ontario, June, 1971.
- Cunningham, D. A. and Sidney, K. H. and Eynon, R. B. "The Effect of Frequency of Exercise upon Physical Work Performance and Selected Variables Representative of Cardio-Respiratory Fitness", Canadian Association of Sport Sciences, Quebec City, Quebec, October, 1970.
- Eynon, R. B. and Gibbins, J. A. and Cunningham, D. A. and Shaw, D. B. "The Effect of Swimming Training on Selected Aspects of the Pulmonary Function of Young Girls", Canadian Association of Sport Sciences, Fourth Annual Meeting, Quebec City, Quebec, October, 1970.
- Eynon, R. G. and Hill, J. S. and Wearing, G. A. "The Effect of Frequency of Exercise on Adult Fitness", Joint Meeting of American College of Sports Medicine and Canadian Association of Sport Sciences, Toronto, Ontario, May, 1971.
- Eynon, R. G. and Gledhill, N. "The Effect of Various Training Intensities on Cardio-Respiratory Fitness", Canadian Association of Sport Sciences Fourth Meeting, Quebec City, Quebec, October, 1970.
- Eynon, R. G. and Sidney, K. H. and Cunningham, D. A. "The Effect of Frequency of Exercise Upon Physical Work Performance and Selected Variables Representative of Cardio-Respiratory Fitness", Canadian Association of Sport Sciences, Quebec City, Quebec, October, 1970.

- L'Heureux, W. J. "Mass Man and Me", Canadian Association for Health, Physical Education and Recreation - Biennial Convention, Waterloo, Ontario, June, 1971.
- Milne, D. C. "Longitudinal Trends in Motor Performance of Children", American Association for Health, Physical Education, and Recreation, Detroit, Michigan, April, 1971.
- Milne, D. C. "A Regional Comparison of the Physical Growth of Boys and Girls During Infancy and Childhood", American Association for Health, Physical Education, and Recreation, Detroit, Michigan, April, 1971.
- Petrie, B. M. "A Sports Involvement Model for Canadian Physical Recreation", University of Windsor, Windsor, Ontario, August, 1970.
- Petrie, B. M. "A Sports Involvement Model for Canada", Second Canadian Psycho-Motor Learning and Sports Psychology Symposium, Windsor, Ontario, October, 1970.
- Richardson, J. R. "Psycho-Physical Methods of Referee Evaluation", International Congress of FINA Referees, Athens, Greece, May, 1971.
- Richardson, J. R. "Graduate Developments in Motor Learning at The University of Western Ontario", University of Alberta Faculty and Graduate Students, Edmonton, Alberta, September, 1970.
- Richardson, J. R. "Undergraduate Program Development in Motor Learning at The University of Western Ontario", Biennial Convention of CAHPER, Waterloo, Ontario, June, 1971.

Department of Political Science

- Barnard, F. M. "Ideology and Cognitive Power (Commentary on Two Papers on Ideology)", Canadian Political Science Association Annual Meeting, St. John's, Newfoundland, June, 1971.
- Beecroft, E. "Regional Government and Conservation", Soil Conservation Society of America 25th Annual Meeting, Toronto, Ontario, August, 1970.
- Cartwright, J. R. "Party Competition in a Developing Nation: The Basis of Support for an Opposition in Sierra Leone", Canadian Political Science Association Annual Meeting, St. John's, Newfoundland, June, 1971.
- Cartwright, J. R. "Party Competition in a Developing Nation: The Basis of Support for an Opposition in Sierra Leone", Sierra Leone Symposium, London, Ontario, May, 1971.
- Harvey, T. G. "Attitudes Towards Freedom of Speech in a Canadian Community: A Study of Social, Political, and Psychological Correlates", Canadian Political Science Association Annual Meeting, St. John's, Newfoundland, June, 1971.
- Hossé, H. A. "Planning and Urbanization in Latin America", Latin American Seminar, Ottawa, Ontario, November, 1970.
- Khanh, H. K. "The End of the Mandarin Road: Observations on the Effects on Western Encroachment upon the Political Development of Vietnam", Annual Meeting of the American Political Science Association, Los Angeles, California, September, 1970.
- McDougall, A. K. "Law and Politics: The Case of Police Independence in Ontario", Canadian Political Science Association Annual Meeting, St. John's Newfoundland, June, 1971.
- Noel, S. J. R.  
and Neary, P. "Continuity and Change in Newfoundland Politics", Canadian Political Science Association Annual Meeting, St. John's, Newfoundland, June, 1971.

- Sancton, A. B. "The Values of Local Self-Government: Some Twentieth Century Views", Canadian Political Science Association Annual Meeting, St. John's, Newfoundland, June, 1971.
- Department of Psychology
- Baran, D. and Pottier, J. "Persistent Failure to Mate in the Male Laboratory Rat: Behavioral Observations", Eastern Psychological Association, New York, April, 1971.
- Boles, J. "Responses of Monkey Lateral Geniculate Cells, White Light and the Broca-Sulzer Phenomenon", Lake Ontario Vision Establishment, Niagara Falls, March, 1971.
- Carlson, P. M. "Modeling, Systematic Desensitization and Talking Therapy: A Comparison of Motor, Cognitive and Physiological Effects", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Carlson, P. M. and Williams, J. Ivan "Watching WOTCH: A Study of a Therapeutic Community", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, June, 1971.
- Chambers, D. A. "Assessment of Psychotic Behavior by Pavlovian Conditioning Methods", Tartu University, Tartu, Estonia SSR, December, 1970.
- Chambers, D. A. "Objectives of Behavioral Measurement", Century II, Research Symposium, London Psychiatric Hospital, London, Ontario, May, 1971.
- Denny, J. P. "Information-Processing and S-R Experimental Paradigms in Concept Identification", American Psychological Association, Miami Beach, Florida, September, 1970.
- Denny, J. P. "Objective Procedures in the Discovery Phase of Psychological Research", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Gardner, R. C. and Kirby, D. M. "The Development of Ethnic Stereotypes", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Goodstadt, M. S. "Helping and Refusal to Help: A Test of Balance and Reactance Theories", Eastern Psychological Association, New York, April, 1971.
- Goodstadt, M. S. "Social Influence and Bystander Apathy to Emergencies", Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Jackson, D. N. "Psychological Screening of Alcoholics", American Psychological Association, Miami Beach, Florida, September, 1970.
- Jackson, D. N. "A Components Score Approach to Test Development", Society of Multivariate Experimental Psychology, Ann Arbor, Michigan, November, 1970.
- Jackson, D. N. "Personality Assessment: Present and Future Prospects", Colloquium - York University, Toronto, Ontario, November, 1970.
- Jackson, D. N. "Panel Discussion on the Selection of Medical Students", U.W.O., London, Ontario, April, 1971.
- Jackson, D. N. "A Four-Dimensional Interpretation of Risk Taking", Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Jackson, D. N. "Personality and the Practice of Medicine", AAMC Conference, Chicago, Illinois, June, 1971.
- Jackson, D. N. "A Model for Inferential Accuracy", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.

- Kendall, S. B. "Observing Responses and the Information Theory of Conditioned Reinforcement", University of Western Michigan, Kalamazoo, Michigan, March, 1971.
- Kimura, D. "Asymmetrical Functioning of the Human Brain", American Psychological Association, Miami Beach, Florida, September, 1970.
- Kimura, D.  
and McGlone, J.  
and Vanderwolf, C. H. "Motor Abilities of Left and Right Hands", Academy of Aphasia, New Orleans, Louisiana, October, 1970.
- Kimura, D. "Motor and Cognitive Functions in Left- and Right-Handers", 16th International Neuropsychological Symposium, Engelberg, Switzerland, June, 1971.
- Kimura, D. "Length of Speech Segment Associated with Right-Ear Superiority in Dichotic Listening", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Kimura, D. "Left-Ear Superiority Associated with Dichotic Perception of Vocal Nonverbal Sounds", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Kimura, D. "Sighting Preference and Direction of Autokinetic Movement", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Mogenson, G. J. "The Limbic System in Health and Disease", York University, Downsview, Ontario, January, 1971.
- Mogenson, G. J. "Considerations of the Neural Control of Water Intake", University of Saskatchewan, Saskatoon, February, 1971.
- Mogenson, G. J. "Psychology, Science and Society", University of Guelph, Honors Undergraduate Psychology Theses Convention, Guelph, Ontario, April, 1971.
- Mogenson, G. J. "Behavioral and Alimentary Responses of the Rat to Acute and Chronic Changes in Environmental Temperature", International Symposium on Temperature Regulation, Lyon, September, 1970.
- Mogenson, G. J. "The Role of the Hypothalamus and Limbic System in Homeostasis and Behavior", University of Toronto, Toronto, Ontario, September, 1970.
- Mogenson, G. J. "Bias-Setting Effects of the Limbic System on Hypothalamic Mechanisms Subserving Drive and Reward", Winter Conference on Brain Research, Aspen, Colorado, January, 1971.
- Mogenson, G. J. "Some Aspects of the Neural Control of Water Intake", Purdue University, Lafayette, Indiana, April, 1971.
- Mogenson, G. J. "Effects of Lesions and Stimulation of the Septal Area on Saline Preference", Federation of American Societies for Experimental Biology, Chicago, Illinois, April, 1971.
- Mogenson, G. J. "Effects of Electrical Stimulation of the Septum and of the Preoptic Area on Unit Activity and Evoked Potentials in the Lateral Habenular Nucleus", Canadian Federation of Biological Societies, Toronto, Ontario, June, 1971.
- Murray, H. G. "Human Eyelid Conditioning as a Function of UCS Intensity and Airpuff v. Infraorbital Shock UCS", Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Murray, H. G. "Classical Eyelid Conditioning as a Function of CS-UCS Interval and Masking v. Nonmasking Procedures", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Murray, H. G. "Evaluation of Teaching Methods in Introductory Psychology", U.W.O., Department of Psychology, Miniconvention, London, Ontario, February, 1971.



- Paivio, A. U. "Noun Imagery and Associative Relatedness in Short-Term Memory", The Psychonomic Society, San Antonio, November, 1970.
- Paivio, A. U. "Short-Term Memory Codes", Queen's University, Kingston, Ontario, November, 1970.
- Paivio, A. U. "Imagery and Language", The Ontario Institute for Studies in Education, Toronto, Ontario, December, 1970.
- Paivio, A. U. "Imagery and Memory", University of Iowa, Iowa City, January, 1971.
- Paivio, A. U. "Modalities of Memory", U.W.O., London, Ontario, February, 1971.
- Paivio, A. U. "Imagery and Repetition Instructions in Verbal Discrimination and Incidental Paired-Associate Learning", Eastern Psychological Association, New York, April, 1971.
- Paivio, A. U. "Imagery", University of Windsor, Windsor, Ontario, April, 1971.
- Paivio, A. U. "Imagery and Memory", University of Toledo, Toledo, Ohio, April, 1971.
- Paivio, A. U. "Imagery and Memory", University of Colorado, Boulder, Colorado, May, 1971.
- Paivio, A. U. "Concreteness in Phrase Recall", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Paivio, A. U. "Imagery and Temporal Factors in Short-Term Memory", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Prytulak, D. S. "Determinants of Disagreement in Personality Descriptions", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Reitz, W. E. "Self Attitudes and Interpersonal Attraction", Symposium on Interpersonal Attraction, Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Reitz, W. E. "Value Similarity and Interpersonal Attraction", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Roberts, W. A. "Free Recall of Word Lists Varying in Length and Rate of Presentation", Eastern Psychological Association, New York, April, 1971.
- Rokeach, M. "Organization and Modification of Values", The American Humanistic Psychological Association, Miami Beach, Florida, September, 1970.
- Rokeach, M. "The Developmental Modification and Influence of Value Systems", American Psychological Association, Miami Beach, Florida, September, 1970.
- Rokeach, M. "Values and Their Experimental Modification", Society of Experimental Social Psychology, Minneapolis, Minnesota, October, 1970.
- Rokeach, M. "Long-Range Experimental Modification of Values, Attitudes and Behavior", American Association for the Advancement of Science, Chicago, Illinois, December, 1970.
- Rokeach, M. "Freedom, Responsibility and Political Values", Conference on Effective Education - Ripon College, Ripon, Wisconsin, April, 1971.

- Rokeach, M. "Recent Research on the Theory Measurement and Stability of Values", Ontario Psychological Association, Toronto, Ontario, February, 1971.
- Rokeach, M. "The Value Patterns of Academic and Nonacademic Communities", Huron College, London, Ontario, May, 1971.
- Schnore, M. M. and Adamowicz, J. K. "Visual Short-Term Memory and Ageing", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Siegel, W. "Empirical Approaches to Theory Construction", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Siess, T. F. "Teachers' Impressions of Maladjusted Children: A Study in Stereotypes", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Simner, M. L. "Seasonal Variation in Reflexive and Spontaneous Crying in Newborns", Society for Research in Child Development, Minneapolis, Minnesota, April, 1971.
- Simner, M. L. "Effects of Prehatch Exposure to Intermittent Visual Stimulation on Posthatch Preferences for Intermittent Visual Stimulation in Chicks: Preliminary Findings", Eastern Psychological Association, New York, April, 1971.
- Simner, M. L. "Visual Cliff Performance of Newly Hatched Chicks: Depth Perception or Pattern Preference", Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Smeriglio, V. L. "Visual Search Patterns Determined From Identification Latencies", Society for Research in Child Development, Minneapolis, Minnesota, April, 1971.
- Sorrentino, R. M. and Raynor, J. O. "An Extension of Theory of Achievement Motivation to The Study of the Emergent Leadership Process", Eastern Psychological Association, New York, April, 1971.
- Sorrentino, R. M. "Reactions Before, During, and After the Canadian Kidnapping Crisis"; Symposium entitled Political Crisis: Canadian Reactions to Political Kidnapping and the War Measures Act, Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Vanderwolf, C. H. and Kimura, D. and McGlone, J. "Motor Abilities of the Left and Right Hands", Academy of Aphasia, New Orleans, Louisiana, October, 1970.
- Vanderwolf, C. H. "Hippocampal Electrical Activity in Relation to Behavior", Dalhousie University, Department of Psychology, Halifax, Nova Scotia, January, 1971.
- Vanderwolf, C. H. "Diencephalic, Hippocampal, and Neocortical Mechanisms in Voluntary Behavior", Efferent Organization and the Integration of Behavior, Tulane University, New Orleans, Louisiana, February, 1971.
- Van Fleet, F. M. and Cole, M. "Partial Reinforcement Acquisition Effects in a Skinner Box Analogue of the Runway", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Van Fleet, F. M. and Cole, M. "Effects of Scopolamine on Fl Responding in Rats", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Vidmar, N. J. "Value Theory and the Generalizability of the Shift Phenomenon to Non-Risk Material", American Psychological Association, Miami Beach, Florida, September, 1970.
- Vidmar, N. J. "Effects of Decision Alternatives on the Verdicts and Social Perceptions of Simulated Jurors", Eastern Psychological Association, New York, April, 1971.

- Vidmar, N. J. "Student Reactions to the 1970 Canadian Political Crises", Canadian Psychological Association, St. John's, Newfoundland, June, 1971.
- Vidmar, N. J. and Crinklaw, L. D. "Attributing Responsibility for An Accident: More Empirical Confusion but Methodological Insights", Midwestern Psychological Association, Detroit, Michigan, May, 1971.
- Vidmar, N. J. and Hourany, L. and Jackson, D. N. "A Four-Dimensional Interpretation of Risk Taking", Midwestern Psychological Association, Detroit, Michigan, May, 1971.

Department of Sociology

- Balakrishnan, T. R. "Analysis of Oral Contraceptive Use Through Multiple Decrement Life Table Techniques", Population Association of America Annual Meetings, Atlanta, 1970.
- Balakrishnan, T. R. "Life Table Study of Childspacing", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, May, 1971.
- Ball-Rokeach, S. J. "The Violence Commission Revisited: Implications for Social Science Policy and Research", Annual Meeting of the American Association for Public Opinion Research, Pasadena, California, May, 1971.
- Boydell, C. L. "Violence in Canada", Conference on Violence, London, Ontario, 1970.
- Ebanks, C. E. "Population Growth and Social Development", Fourth ORIT Conference on Population and Labour, Cuernavaca, Mexico, May, 1971.
- George, P. M. and Pryor, E. T. "Family History and The Incorporation of New Evidence", Seventh World Congress of Sociology, Bulgaria, 1970.
- Grindstaff, C. F. "Race and Sport in Canada", Annual Meeting of the Canadian Association of Sports, Quebec City, Quebec, October, 1970.
- Grindstaff, C. F. "Vasectomy as a Birth Control Method", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, May, 1971.
- Jackson, J. E. W. "Primary and Secondary Exchanges: Balancing Processes in Professor-Student Relations", Canadian Sociology and Anthropology Association, Winnipeg, Manitoba, 1970.
- Jackson, J. E. W. and Poushinsky, N. W. "Northern Migration: A Value Added Perspective", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, May, 1971.
- Marin, I. C. "A Theory of Environmental Orientation and Its Relation to Futuristics", University of Toronto Human Systems Graduate Seminar, Toronto, Ontario, March, 1971.
- Marin, I. C. "Orientation to the Environment: Some Social Variables", University of Toronto Environmental Engineering Seminar, Toronto, Ontario, March, 1971.
- Okroku, I. O. "Voting Preferences of College Students: The 1968 Federal Elections in Atlantic Canada", Sixth Annual Meetings of the Atlantic Association of Sociologists and Anthropologists, Halifax, Nova Scotia, March, 1971.
- Pryor, E. T. and George, P. M. "Family History and The Incorporation of New Evidence", Seventh World Congress of Sociology, Bulgaria, 1970.
- Rinehart, J. W. "Affluence and the Embourgeoisement of the Working Class: A Critical Look", American Sociological Association, Washington, 1970.

- Rinehart, J. W. "Structural Sources of Working Class Unrest", Society for the Study of Social Problems, Washington, 1970.
- Rinehart, J. W. "Working Class Politics", Ohio Valley Sociological Society, Akron, Ohio, 1970.
- Singer, B. D. "The Detroit Insurrection: Grievance and Facilitating Conditions", Ohio Valley Sociological Society, Akron, Ohio, 1970.
- Singer, B. D. "A Social Psychological Model for the Analysis of Riot Participation", American Sociological Association Meetings, Washington, 1970.
- Whitehead, P. C. "The Epidemiology of Drug Use in a Canadian City at Two Points in Time", National Academy of Sciences - National Research Council, Committee on Problems of Drug Dependence, Toronto, Ontario, February, 1971.
- Whitehead, P. C. "Turned On Students in Halifax: Some Current Research Findings", Atlantic Association of Sociologists and Anthropologists, Halifax, Nova Scotia, March, 1971.
- Whitehead, P. C. "Alcoholism and Suicide: Some Theoretical and Empirical Perspectives", Deviance Session of the Pacific Sociological Association, Honolulu, Hawaii, April, 1971.
- Whitehead, P. C. "Causes and Consequences of Differential Leisure Participation Among Females in Halifax, Nova Scotia", Canadian Association of Sport Sciences, Quebec City, Quebec, October, 1970.
- Whitehead, P. C. "The Sequence of Drug Use Among Adolescent Students", Drugs and Society: Research Methods and Findings Session of the Ontario Psychological Association, Toronto, Ontario, February, 1971.
- Whitehead, P. C. "The Prevention of Drug Use by Young People: An Argument Based on the Distribution of Drug Use", National Academy of Sciences - National Research Council, Committee on Problems of Drug Dependence, Toronto, Ontario, February, 1971.
- Whitehead, P. C. "Social and Epidemiological Aspects of Drug Use in Canada", Youth, Drugs and Sociologists: Controversial Issues in Research on Adolescent Drug Use Session of the Canadian Sociology and Anthropology Association, St. John's, Newfoundland, June, 1971.
- Williams, J. I. "Allied Health Professionals as Teachers in Family Medicine", Workshop for Teachers of Family Medicine, Banff, Alberta, July, 1970.
- Williams, J. I. "Death Throes of Tradition: Chances in a Tuberculosis Sanatorium", American Sociological Association, Washington, September, 1970.
- Williams, J. I. "Privacy of Student Records - The Computing Point of View", The Second Ontario Universities Computing Conference, Ottawa, Ontario, February, 1971.
- Williams, J. I. "Watching WOTCH: A Study of a Therapeutic Community", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, June, 1971.
- Williams, J. I. "The Privacy Audit: The Methodology for Systems Investigation", Computer Science Association, St. John's, Newfoundland, June, 1971.
- Williams, J. I. "Identifying Behavioral Sciences", Third Annual Workshop on Family Practice, Commission on Medical Education, American Academy of General Practice, Kansas, May, 1971.
- Williams, J. I. "Privacy of the Student Record and the Computer", Canadian Sociology and Anthropology Association, St. John's, Newfoundland, June, 1971.

FACULTY OF MUSIC

- McKellar, D. "A New Dimension for Canadian Music Teacher Education: Sociomusicology", National Convention of Canadian Music Educators Association, Charlottetown, P.E.I., May, 1971.
- Stark, J. A. "Giulio Caccini and the Noble Manner of Singing", Canadian Association of University Schools of Music Conference, Mount Allison University, Sackville, N.B., June, 1971.

HEALTH SCIENCESFACULTY OF NURSING

- Griffin, A. E. "Nursing Research in Canadian Universities", National Conference on Research in Nursing Practice, The Department of National Health and Welfare, Ottawa, Ontario, February, 1971.
- Horn, E. M. "Nursing - The Nature of the Need", National Conference on Assistance to the Physician, the Complementary Roles of the Physician and Nurse, Ottawa, Ontario, April, 1971.
- Mantle, J. H. "Clinical Specialization in Nursing", 50th Anniversary, Faculty of Nursing, U.W.O., London, Ontario, October, 1970.
- Potter, T. I. "Post-Secondary Education", Wright Commission on Post-Secondary Education, London, Ontario, December, 1970.

FACULTIES OF MEDICINE AND DENTISTRYDepartment of Bacteriology and Immunology

- Behme, R. J.  
and Fitz-James, P. C. "A temperature-sensitive mutation of *Bacillus subtilis* affecting the membrane", 15th Annual Meeting, Genetics Society of Canada, June, 1971.
- Chan, P. L. "Feedback inhibitions of the immune response", Tumour Immunology Workshop, 9th Canadian Cancer Research Conference, June, 1971.
- Cheevers, W. P. "The pattern of formation of high molecular weight cellular DNA in polyoma virus infected cells", American Society for Microbiology, Minneapolis, Minnesota, 1971.
- Ebisuzaki, K. "Thoughts and some experiments on the mechanism of genetic recombination", McMaster University, Hamilton, Ontario, April, 1971.
- Faught, J.  
and Medzon, E. L. "An early event in vaccinia-virus-LM cell interaction measured by fluoregenic substrates", 21st Annual Meeting, Canadian Society of Microbiology, London, Ontario, June, 1971.
- Hendry, G. S.  
and Fitz-James, P. C. "Initiation of and commitment to sporulation defined by phage growth in a lysogenic strain of *Bacillus megaterium*", C.S.M. Annual Meeting, London, Ontario, June, 1971.
- Hussain, R.  
and Strejan, G. H. "Isolation and partial characterization of an *Ascaris suum* allergen", Canadian Federation of Biological Societies, June, 1971.
- Kowalski, J.  
and Cheevers, W. P. "Transcription requirements in DNA synthesis in polyoma virus infected cells", Canadian Federation for Biological Sciences, Toronto, Ontario, 1971.

- McCully, E. K.  
and Robinow, C. F. "Mitosis in *Schizosaccharomyces pombe*", 5th International Conference on Yeast Genetics, Chalk River, Ontario, 1970.
- Medzon, E. L. "An early event in vaccinia-LM cell interaction measured by fluorogenic substrates", 2nd International Congress for Virology, Budapest, Hungary, June, 1971.
- Murray, R. G. E. "Structure and macromolecular arrangements in bacterial cell wall", International Congress for Microbiology, Mexico City, August, 1970.
- Murray, R. G. E. "Contributions of electron microscopy to understanding the structure of some bacterial cell walls", A.S.M. Foundation for Microbiology Lecture, New York, N.Y., October, 1970.
- Murray, R. G. E. "Observations on the structure of bacterial cell walls", University of Montreal, Quebec, November, 1970.
- Murray, R. G. E. "The structure and anchorage of bacterial flagella", University of Montreal, Montreal, Quebec, November, 1970.
- Murray, R. G. E. "Some contributions of electron microscopy to the study of bacterial cell walls", Indiana University, Bloomington, Indiana, March, 1971.
- Pearce, Susanne M.  
and Fitz-James, P. C. "Refractivity in cortexless spores of *Bacillus cereus* var. *alesti*", C.S.M. Annual Meeting, London, Ontario, June, 1971.
- Robinow, C. F. "Forms of Mitosis in mycelial fungi and yeasts", 21st Annual AIBS Meeting of Biological Societies, Indiana University, Bloomington, Indiana, August, 1970.
- Robinow, C. F. "Mitosis in yeasts", 5th International Conference on Yeast Genetics, Chalk River, Ontario, 1970.
- Robinow, C. F. "Fungal Cytology", Institute of Molecular Biology and the Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R., June, 1971.
- Rozanis, J. "Periodontopathic effects of *Nocardia* spp. in an animal model with particular reference to alveolar bone loss", Annual Meeting of the C.S.M., London, Ontario, June, 1971.
- Rozanis, J.  
and Lim, C. L. "In vitro biosynthesis of folic acid-like substance(s) by cell free extracts of *Nocardia asteroides* ATCC 10905 with PAS", Canadian Federation of Biological Societies, June, 1971.
- Rozanis, J. "In vitro biosynthesis of folic acid-like substance(s) by cell free extracts of *Nocardia asteroides* ATCC 10905 with PAS", C.S.M. Annual Meeting, London, Ontario, June, 1971.
- Sinclair, N. R. St. C. "Regulation of the immune response. The role of the Fc-fragment in feedback inhibition by antibody", Arthritis and Immunology Res. Conference, State University of New York, Buffalo, N.Y., June, 1971.
- Sinclair, N. R. St. C.  
and Chan, P. L. "Non-specific suppression of the immune response", Tumour Immunology Workshop, 9th Canadian Cancer Research Conference, June, 1971.
- Sinclair, N. R. St. C. "Feedback suppression - determinant or molecule specific", Queen's University, Kingston, Ontario, February, 1971.
- Sinclair, N. R. St. C. "Regulation of the immune response by antibody", Queen's University, Kingston, Ontario, February, 1971.
- Sinclair, N. R. St. C.  
and Chan, P. L. "Regulation of immune response. IV. The role of Fc fragment of feedback inhibition by antibody", 3rd International Conference on Lymphatic Tissue and Germinal Centers in Immune Reactions, Uppsala, Sweden, September, 1970.
- Sinclair, N. R. St. C. "Role of the Fc fragment in feedback regulation of immune responses", Queen's University, Kingston, Ontario, August, 1970.

- Sinclair, N. R. St. C. "Feedback inhibitions of the immune response", Tumour Immunology Workshop, 9th Canadian Cancer Research Conference, June, 1971.
- Singhal, S. K. "Antigen specific receptors on the surface of bone marrow immunocytes", Third Sigrid Juselius Foundation Symposium, Helsinki, 1971.
- Department of Pathology
- Frei, J. V. "Variations in Alkylation Products in DNA following a Thymoma-Inducing Dose of Methylnitrosourea (MNUA) in Tissues of Mice", Federation Meeting (FASEB), Chicago, Illinois, April, 1971.
- Frei, J. V. "Approach to computer-assisted clinical and Pathological Information", Canadian Association of Pathologists, Saskatoon, Sask., June, 1971.
- Gardner, D. G. "Oral Pathology as an Aid in Dental Practice", Brant County Dental Society, Brantford, Ontario, November, 1970.
- Gardner, D. G. "The Use of Dental Evidence in Police Work", Canadian Association of Chiefs of Police, London, Ontario, September, 1970.
- Gardner, D. G. "Oral Manifestations of Systemic Disease", Lambton County Dental Society, Sarnia, Ontario, December, 1970.
- Gardner, D. G. "Oral Pathology in the Child", The Annual Convention of the Ontario Chapter, The Canadian Society of Dentistry for Children, Toronto, Ontario, May, 1971.
- Gergely, N. F.  
and Jones, D. S.  
and Rafuse, S.  
and Fry, E. "Immunofluorescent Studies on Radiated Cardiac Allografts", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.
- Haust, M. Daria "The Nature of Atherosclerosis", McGill University, Montreal, P.Q., October, 1970.
- Haust, M. Daria "Theories on the evolution of the atherosclerotic lesions based on evidence from the human experience", National Heart and Lung Institute's Task Force on Artherosclerosis, Bethesda, Maryland, October, 1970.
- Haust, M. Daria "Epidemiology of Coronary Heart Disease", McGill University, Montreal, P.Q., October, 1970.
- Haust, M. Daria "Etiology and Pathogenesis of Atherosclerosis", Symposium on Artherosclerosis, Academy Day, Academy of Medicine, Ottawa, Ontario, December, 1970.
- Haust, M. Daria "Extracellular Connective Tissue in Health and Disease", Department of Pathology, The University of Montreal, Montreal, P.Q., December, 1970.
- Haust, M. Daria "Pathogenesis of Atherosclerosis", Annual Meeting of the American Association of Pathologists and Bacteriologists, Montreal, P.Q., March, 1971.
- Haust, M. Daria "Problems in Paediatric Pathology", Annual Meeting of the International Academy of Pathology, Montreal, P.Q., March, 1971.
- Haust, M. Daria "Gross and Microscopic Examination of the Placenta", Annual Meeting of the International Academy of Pathology, Montreal, P.Q., March, 1971.
- Haust, M. Daria "Concepts of Atherosclerosis", Baylor University, Houston, Texas, April, 1971.

- Haust, M. Daria "Histochemistry and Ultrastructural Studies of Maxillary Cysts in Hurler's Disease", Department of Pathology, University of Cincinnati, Cincinnati, Ohio, May, 1971.
- Haust, M. Daria "Normal Variations in Artery Wall Structure: Are they Relevant to Atherogenesis?", International Symposium on Atherosclerosis, Ontario Heart Foundation, University of Toronto, Toronto, Ontario, June, 1971.
- Warren, B. A. "Platelet aggregation and adhesion to vessel walls", M.R.C. Thrombosis Research Unit, Royal College of Surgeons, London, England, March, 1971.
- Warren, B. A. "Platelet pseudopodia and the adhesion of platelet to the basement membrane of vessels", Anatomy Department, University of Copenhagen, Copenhagen, Denmark, April, 1971.
- Warren, B. A. "Platelet pseudopodia and the adhesion of platelets to the basement membrane of vessels", E. Herniot Hospital and University of Lyon, Lyon, France, April, 1971.
- Warren, B. A. "Ultrastructure of adhesion of platelet pseudopodia to vessel walls", Microcirculatory Society (Nineteenth Annual Meeting), Chicago, Illinois, April, 1971.
- Warren, B. A. "The early stages of platelet adhesion: platelet pseudopodia and multivesicular membranous sacs", Canadian Society for Cell Biology, Toronto, Ontario, June, 1971.
- Warren, B. A. "Adhesion of platelets to exposed basement membrane in vitro", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.

#### Department of Physiology

- Armstrong, D. T. "Regulation of Progesterone 5-reductase activity in the rat uterus", Third International Congress on Hormonal Steroids, Hamburg, Germany, September, 1970.
- Armstrong, D. T. "Hormonal Regulation of Implantation", Physiology Department, U.W.O., London, Ontario, October, 1970.
- Armstrong, D. T. "Maternal recognition of pregnancy; regulation of the corpus luteum", Department of Obstetrics and Gynaecology, McMaster University, Hamilton, Ontario, October, 1970.
- Armstrong, D. T. "Endocrine regulation of ovum implantation", Department of Biology, Marquette University, Milwaukee, Wisconsin, October, 1970.
- Armstrong, D. T. "Endocrinology of pregnancy", Royal College of Physicians and Surgeons, Ottawa, Ontario, January, 1971.
- Armstrong, D. T. "Regulation of steroidogenesis in the corpus luteum", University of California, San Francisco, California, April, 1971.
- Armstrong, D. T. "Action of progesterone on peripheral target tissues", University of California, San Francisco, California, April, 1971.
- Calaresu, F. R. "A dynamic model of the vagus-heart rate system: the application of systems theory to a physiological system", Department of Physiology and Biophysics, Dalhousie University, Halifax, N.S., March, 1971.
- Calaresu, F. R. "The limitations of frequency analysis in the study of biological systems", Laboratory of Neurophysiology, Department of Surgery, University of Alberta, Edmonton, Alberta, January, 1971.



- Critz, J. B. "The effect of training on resting and post-exercise plasma enzyme levels in man", Defence Research Establishment, Toronto, Ontario, December, 1970.
- Dellow, P. G. "Recent advances in the physiology of trigeminal pain", International Assoc. for Dental Research, University of Toronto, Toronto, Ontario, February, 1971.
- Harding, P. G. R. "The High Risk Pregnancy", Registered Nurses Association of Ontario, Toronto, Ontario, May, 1971.
- Harding, P. G. R. "The Dysmature Fetus", Department of Obstetrics and Gynaecology, University of Pittsburgh, Pittsburgh, Pennsylvania, September, 1970.
- Mercer, P. F. "Renal regulation of sodium excretion", Department of Obstetrics and Gynaecology, U.W.O., London, Ontario, January, 1971.
- Mogenson, G. J. "Psychology, science and society", The University of Guelph, Honors, Undergraduate Psychology Theses Convention, Guelph, Ontario, April, 1971.
- Mogenson, G. J. "Some aspects of the neural control of water intake", Purdue University, Lafayette, Indiana, May, 1971.
- Mogenson, G. J. "Effects of electrical stimulation of the septum and of the preoptic area on unit activity and evoked potentials in the lateral habenula nucleus", Canadian Federation of Biological Societies, University of Toronto, Toronto, Ontario, June, 1971.
- Mogenson, G. J. "Behavioral and alimentary responses of the rat to acute and chronic changes in environmental temperature", International Symposium on Temperature Regulation, Lyon, France, September, 1970.
- Mogenson, G. J. "The role of the hypothalamus and limbic system in homeostasis and behavior", The University of Toronto, Toronto, Ontario, September, 1970.
- Mogenson, G. J. "Bias-setting effects of the limbic system on hypothalamic mechanisms subserving drive and reward", Winter Conference on Brain Research, Aspen, Colorado, January, 1971.
- Mogenson, G. J. "The limbic system in health and disease", York University, Toronto, Ontario, January, 1971.
- Mogenson, G. J. "Considerations of the neural control of water intake", The University of Saskatchewan, Saskatoon, Sask., February, 1971.
- Mogenson, G. J. "Effects of lesions and stimulation of the septal area on saline preference", Federation of American Societies for Experimental Biology, Chicago, Illinois, April, 1971.
- O'Hea, E. K. "Hormonal aspects of gluconeogenesis", MacDonald College, McGill University, Montreal, P.Q., March, 1971.
- O'Hea, E. K. "Lipid synthesis in domestic animals", MacDonald College, McGill University, Montreal, P.Q., March, 1971.
- Squires, B. P. "An experimental course in medical physiology", Association of Canadian Medical Colleges, Winnipeg, Manitoba, October, 1970.
- Squires, B. P. "Continuing medical education", The Ontario Institute for Studies in Education Conference on Continuing Education in the Professions, Toronto, Ontario, November, 1970.
- Stevenson, J. A. F. "Neural and molecular determinants of overeating", American Psychological Association, Food and Water Intake Symposium, Miami, Florida, September, 1970.

- Stevenson, J. A. F. "SCITEC", Winter Meeting, Canadian Physiological Society, Banff, Alberta, January, 1971.
- Stevenson, J. A. F. "Heart Research in the Seventies", Canadian Heart Foundation Seminar-Workshop, Montreal, P.Q., April, 1971.
- Vanderwolf, C. H. "Hippocampal electrical activity in relation to behavior", Dalhousie University, Halifax, N.S., January, 1971.
- Vanderwolf, C. H. "Hippocampal electrical activity in relation to behavior", McMaster University, Hamilton, Ontario, May, 1971.
- Vanderwolf, C. H. "Diencephalic, hippocampal and neocortical mechanisms in voluntary movement", Symposium on Efferent Organization and the Integration of Behavior, Tulane University, New Orleans, Louisiana, February, 1971.

#### CANCER RESEARCH LABORATORY

- Cheevers, W. P. "Transcription Requirements in DNA Synthesis during Productive Polyoma Virus Infection", Canadian Federation of Biological Societies, Toronto, Ontario, June, 1971.
- Cheevers, W. P. "Pattern of Formation of Cellular DNA in Polyoma Virus Infected Cells", American Society for Microbiology, Minneapolis, Minnesota, May, 1971.
- Ebisuzaki, K. "DNA-Dependent Enzymes in E. Coli Infected with Bacteriophage T4", McMaster University, Hamilton, Ontario, April, 1971.
- Sinclair, N. R. "Regulation of the Immune Response IV The Role of the Fc-fragment in Feedback Inhibition by Antibody", Third International Conference on Lymphatic Tissue and Germinal Centers in Immune Reactions, Uppsala, Sweden, September, 1970.

#### FACULTY OF MEDICINE

##### Department of Biophysics

- Burton, Alan C. "Cellular communication, contact inhibition, cell clocks and cancer", U.W.O., London, Ontario, December, 1970.
- Burton, Alan C. "Cellular communication, contact inhibition, cell clocks and cancer", Masonic Medical Research Laboratory, Utica, New York, July, 1970.
- Burton, Alan C. "Clinical importance of temperature regulation", Annual Meeting of the Canadian Society of Anaesthesiologists, Thunderbay, Ontario, September, 1970.
- Groom, Alan C. "A biophysical view of the circulation through the spleen", U.W.O., London, Ontario, October, 1970.
- Johnson, L. N. "SEM of composites finished by various methods", Conference on Recent Developments in Resin Composites and Dental Amalgam, University of Michigan School of Dentistry, Ann Arbor, Michigan, September, 1970.
- Johnson, L. N. "Properties of composite restorative materials, indications, insertion techniques and limitations", Conference on the Continuing Education on Restorative Materials, U.W.O., London, Ontario, November, 1970.
- Johnson, L. N. "Management of Dental Materials", Norfolk County Dental Society, Simcoe, Ontario, February, 1971.

- Johnson, L. N. "The influence of roughness on wetting and adhesion in a dental adhesive system", International Association for Dental Materials Group, Chicago, Illinois, March, 1971.
- Johnson, L. N. "Stereometric quality of scanning electron microscope imagery", Seminar of Quantitative Imagery in the Biomedical Sciences, Baylor University, Houston, Texas, May, 1971.
- Roach, Margot R. "The biophysical basis of intracranial saccular aneurysms", University of Alberta, Edmonton, Alberta, January, 1971.
- Sherebrin, M. H. "Biomedical engineering in health care and research", London Chapter of the Chemical Institute of Canada, London, Ontario, October, 1970.
- Sherebrin, M. H. "Molecular mechanisms of excitation in nerve", Biophysics Group of the Physics Department, University of Montreal, Montreal, P.Q., November, 1970.
- Department of Clinical Neurological Sciences
- Amacher, A. L. "The Syndromes and Surgery of Aneurysms of the Great Vein of Galen", Congress of the European Society for Paediatrics Neurosurgery, Versailles, France, September, 1970.
- Amacher, A. L. "Cerebral Angiomata: Sequelae of Surgical Treatment", Academy of Neurological Surgeons, Mexico, October, 1970.
- Ball, M. J. "Progressive Myoclonus Epilepsy with Lafora Bodies - A Case Report", Annual Meeting, Canadian Association of Neuropathologists, Ottawa, Ontario, October, 1970.
- Barnett, H. J. M. "Headache in Occlusive Cerebrovascular Disease (Willis Headache)", Canadian Neurological Congress, St. John's, Newfoundland, June, 1971.
- Barnett, H. J. M. "The Neurology of Dissiness", University of Saskatchewan, Saskatoon, Sask., May, 1971.
- Barnett, H. J. M. "Central Vertigo", American Hearing Research Foundation - Northwestern University Medical School, Chicago, Illinois, March, 1971.
- Barnett, H. J. M. "Medical Treatment of Carotid Artery Disease", Academy of Medicine, Ottawa, Ontario, December, 1970.
- Barnett, H. J. M. "Diversion and Reversal of Cerebral Blood Flow", Research Group on Cerebral Circulation - 5th Salzburg Conference, Salzburg, Austria, September, 1970.
- Barnett, H. J. M. "Thorotrast Myelopathy", University of Newcastle, Newcastle-on-Tyne, England, September, 1970.
- Barnett, H. J. M. "The Etiology of Syringomyelia", Fourth Brazilian Congress of Neurology, Porto Alegre, Rio Grande Do Sul, Brazil, July, 1970.
- Barnett, H. J. M.  
and Jousse, A. T.  
and Morley, T. P.  
and Lougheed, W. M. "Treatment of Post-traumatic Syringomyelia", Paraplegia, May, 1971.
- Barr, H. W. K. "Intracavernous Carotid Aneurysms - A Clinical-Pathological Study", Canadian Neurological Congress, St. John's, Newfoundland, June, 1971.
- Drake, C. G. "Acoustic Neuromas - Discussion", Symposium Microneurosurgery, Cincinnati, Ohio, June, 1971.
- Drake, C. G. "Microsurgery of Basilar Tumors - Transoral Approach", Symposium Microneurosurgery, Cincinnati, Ohio, June, 1971.

- Drake, C. G. "Facial Function after Intracranial Repair of Facial Nerve", International Symposium on Facial Nerve Surgery, Osaka, Japan, September, 1970.
- Drake, C. G. "Personal Technical Preferences in the Surgical Treatment of Aneurysms", Good Samaritan Hospital, Cincinnati, Ohio, April, 1971.
- Drake, C. G. "The Restoration of Facial Nerve Function in Acoustic Neuroma", Christ Hospital, Cincinnati, Ohio, April, 1971.
- Drake, C. G. "On the Vertebral Basilar Arterial System", 8th Congress Brazilian Neurosurgical Society, Brazilia, July 13-16, 1970.
- Drake, C. G. "Surgery of Intracranial Aneurysms", University Hospital, University of Michigan, Ann Arbor, Michigan, March, 1971.
- Drake, C. G. "Vertebral Basilar Aneurysms - A Progress Report", American Association of Neurological Surgeons, Houston, Texas, April, 1971.
- Drake, C. G. "The Surgery of Intracranial Aneurysms", Second Herbert A. Bruce Lecture, Wellesley Hospital, Toronto, Ontario, May, 1971.
- Haust, M. D. "Etiology and Pathogenesis of Atherosclerosis", Symposium on Arteriosclerosis, Academy Day, Academy of Medicine, Ottawa, Ontario, December, 1970.
- Haust, M. D. "Extracellular Connective Tissue in Health and Disease", Department of Pathology, University of Montreal, Montreal, P.Q., December, 1970.
- Haust, M. D. "Concepts of Atherosclerosis", Baylor University, Houston, Texas, April, 1971.
- Haust, M. D. "The Nature of Atherosclerosis", McGill University, Montreal, P.Q., October, 1970.
- Haust, M. D. "Theories on the evolution of the atherosclerotic lesions based on evidence from the human experience", National Heart and Lung Institute's Task Force on Arteriosclerosis, Bethesda, Maryland, October, 1970.
- Haust, M. D. "Epidemiology of Coronary Heart Disease", Interdisciplinary Teaching, McGill University, Montreal, P.Q., October, 1970.
- Haust, M. D. "Histochemistry and Ultrastructural Studies of Maxillary Cysts in Hurler's Disease", University of Cincinnati, Cincinnati, Ohio, May, 1971.
- Haust, M. D. "Normal variations in artery wall structure: Are they relevant to Atherogenesis?", International Symposium on Atherosclerosis (Ontario Heart Foundation), Toronto, Ontario, June, 1971.
- Kertesz, A. "Aphasia: A Comprehensive, Clinical Approach", Canadian Neurological Congress, St. John's, Newfoundland, June, 1971.

Department of Community Medicine

- Buck, Carol W. "Activism in Public Health", School of Hygiene, Toronto, Ontario, February, 1971.
- McWhinney, I. R. "The Physician as Ecologist", University of Buffalo, Medical School Alumni Day, Buffalo, New York, June, 1971.

Department of History of Medicine and Science

- Plotkin, H. N. "The History of Science Graduate Student and the Job Market", The History of Science Society, Annual Meeting, Chicago, Illinois, December, 1970.
- Plotkin, H. N. "Galileo and the Church", Monthly Meeting of the London Centre of the Royal Astronomical Society of Canada, London, Ontario, May, 1971.

Department of Medicine

- Ahuja, S. P.  
and Austin, T. W. "Atraumatic Study of Left Ventricular Events in Acute Myocardial Infarction", International Atherosclerosis Symposium, University of Toronto, Ontario Heart Foundation, June, 1971.
- Aikenhead, D. E. "Allergy to the Cockroach in Laboratory Workers", Canadian Society of Allergy and Clinical Immunology, Toronto, Ontario, June, 1971.
- Albers, H. J. "The Appearance of Porphyria cutanea tarda during the administration of birth-control pills", University of Saar and South-West German Dermatological Society, Hamburg, Saar, Germany, October, 1970.
- Albers, H. J. "Dermatological hazards in North America for tourists from Europe", Free University, Berlin, Germany, November, 1970.
- Clarke, O. "Drug Treatment of Tuberculosis", International Conference on Tuberculosis, University of Ottawa, Ottawa, Ontario, June, 1970.
- Clarke, O. "Tuberculosis in General Hospitals", Institute Respiratory Diseases, Windsor, Ontario, October, 1970.
- Clarke, O. "Problems of Tuberculosis in Canada", Annual Conference British Thoracic and Tuberculosis Association, University of Lancaster, England, July, 1970.
- Gunton, R. W. "Septic Shock", Post-Graduate Course of American College of Physicians, Banff, Alberta, June, 1971.
- Gunton, R. W. "Complications of Antibiotic Therapy", Post-Graduate Course of American College of Physicians, Banff, Alberta, June, 1971.
- Gunton, R. W. "Diet and Drugs in Coronary Heart Disease", Department of Medicine, University of Toronto, Toronto, Ontario, December, 1970.
- Harth, M.  
and Wallace, A. C.  
and Abdelnour, G. M. "Gold Nephrosis - Clinical and Electromicroscopic Findings in Two Cases", Fourth Canadian Conference on Research on the Rheumatic Disease, Toronto, Ontario, October, 1970.
- Khan, M. I.  
and Hamilton, J. T.  
and Manning, G. W. "Cardioselective betablockade in experimental coronary occlusion in conscious dogs", Annual Meeting of Canadian Federation of Biological Societies, Toronto, Ontario, June, 1971.
- Khan, M. K.  
and Hamilton, J. T.  
and Manning, G. W. "Early arrhythmias following experimental coronary occlusion in conscious dogs and their modification by beta-adrenergic blocking drugs", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.
- Kimber, R. W. "Tissue Typing", Ontario Bialysis Association, St. Joseph's Hospital, London, Ontario, April, 1971.
- Kimber, R. W. "Chronic Renal Failure - conversative and definitive treatment", Strathroy Medical Group, Strathroy, Ontario, May, 1971.
- Linton, A. L.  
and Lawson, D. H. "The Nephrotoxicity of Antibiotics", Royal College of Physicians and Surgeons of Canada 1971 Meeting, Ottawa, Ontario, January, 1971.

- Linton, A. L.  
and Graham, J. A. "Body Water and Electrolyte Composition in Acute Renal Failure", Royal College of Physicians and Surgeons of Canada 1971 Meeting, Ottawa, Ontario, January, 1971.
- Linton, A. L.  
and Murray, R. M.  
and Adams, J. H. "Neurofibillary Changes in Analgesic Nephropathy", British Association of Neuropathology, Cambridge, England, July, 1970.
- Linton, A. L.  
and Lawson, D. H.  
and MacAdam, R. F.  
and Singh, H.  
and Gavras, H. "Nephrotoxicity of Cephalosporins", U.S./U.K. Meeting of Society for the Study of Infectious Diseases, Edinburgh, Scotland, September, 1970.
- McCourtie, D. R.  
and Lefcoe, N. M.  
and Toogood, J. H. "A Trial to Determine the Dose-Response and Cumulative Effect of DSCG in Asthmatic Patients", Canadian Society of Allergy and Clinical Immunology, Toronto, Ontario, June, 1971.
- McCourtie, D. R.  
and Toogood, J. H.  
and Lefcoe, N. M.  
and Buck, C. "An Index of the Severity of Chronic Disability from Bronchial Asthma", Canadian Society of Allergy and Clinical Immunology, Toronto, Ontario, June, 1971.
- McCourtie, D. R.  
and Lefcoe, N. M.  
and Toogood, J. H. "Controlled Clinical Studies of Disodium Cromoglycate in Bronchial Asthma", 10th Annual Meeting of the Ontario Thoracic Society, Toronto, Ontario, October, 1970.
- McCourtie, D. R.  
and Toogood, J. H.  
and Lefcoe, N. M. "Controlled Clinical Studies of Disodium Cromoglycate Treatment for Bronchial Asthma", VIXth International Congress of Allergology, Florence, Italy, October, 1970.
- McCourtie, D. R.  
and Lefcoe, N. M.  
and Toogood, J. H. "A Trial to Determine the Dose-Response and Cumulative Effect of Disodium Cromoglycate in Asthmatic Patients", Canadian Society of Allergy and Clinical Immunology, Toronto, Ontario, June, 1971.
- McDonald, J. W. D. "Erythrocyte Adaptation to Anemia", Section on Hematology, 91st Annual Meeting of Ontario Medical Association, Toronto, Ontario, May, 1971.
- Pace, W. E. "The Prevention of Industrial Dermatitis", Occupational Health Conference (Ontario/Quebec) on behalf of the Section on Occupational Health of the Ontario Medical Association and the Quebec Industrial Medical Association, Toronto, Ontario, October, 1970.
- Pace, W. E. "Puzzling Problems in Family Practice Dermatology", Annual Meeting, Ontario Chapter, College of Family Physicians of Canada, Toronto, Ontario, October, 1970.
- Roach, M. R.  
and Boughner, D. R. "The Effect of Low Frequency Vibration on Arterial Wall Elastin", AGARD Conference Proceeding 65 on Fluid Dynamics of Blood Circulation and Respiratory Flow, Naples, May, 1970.
- Shaw, D. B.  
and Wood, T. E.  
and Nugent, J. "Survey of Pulmonary Disease and of Abnormal Pulmonary Function by Routine Screen of Hospital Admissions", 10th Annual Scientific Meeting, Ontario Thoracic Society, Toronto, Ontario, October, 1970.
- Shaw, D. B.  
and Gibbons, J. A.  
and Cunningham, D. A.  
and Eynon, R. B. "The Effects of Swimming Training on Selected Aspects of the Pulmonary Function of Young Girls", Canadian Association of Sports Sciences - 4th Annual Meeting, Quebec, October, 1971.
- Toogood, J. H.  
and McCourtie, D.  
and Rose, D. K. "Controlled Clinical Studies on Disodium Cromoglycate (INTAL) Treatment for Bronchial Asthma", International Congress of Allergology, Florence, Italy, October, 1970.
- Toogood, J. H. "Methodologic Problems in Evaluating a New Therapy for Chronic Bronchial Asthma", Symposium on Bronchial Asthma, Canadian Paediatric Society, Montreal, P.Q., November, 1970.

- Watson, W. C. "Diagnosing Diarrhoea", Eighth Annual Scientific Meeting, Ontario Chapter of Family Physicians of Canada, Toronto, Ontario, October, 1970.
- Watson, W. C. "Intestinal disaccharidase activity in African Bantu and Scots Caucasians", Second All Canada Meeting on Tropical and Parasitic Diseases and Health, Ottawa, Ontario, November, 1970.
- Watson, W. C. "An Approach to Malabsorption", Regional Meeting of American College of Physicians, Cincinnati, Ohio, June, 1971.
- White, E. F. "Early Diagnosis of Lymphoma", Ontario Medical Association, Toronto, Ontario, May, 1971.
- Wolfe, B. M. "Splanchnic Metabolism in Healthy Young Men Given Clofibrate", 24th Annual Meeting - American Society for Study of Arteriosclerosis, American Heart Association, Atlantic City, New Jersey, November, 1970.

Department of Obstetrics and Gynaecology

- Armstrong, D. T. "Regulation of Progesterone 5 $\alpha$ -reductase Activity in the Rat Uterus", Third International Congress on Hormonal Steroids, Hamburg, Germany, September, 1970.
- Armstrong, D. T. "Hormonal Regulation of Implantation", Physiology Department, U.W.O., London, Ontario, October, 1970.
- Armstrong, D. T. "Maternal Recognition of Pregnancy; Regulation of the Corpus Luteum", Department of Obstetrics and Gynaecology, McMaster University, Hamilton, Ontario, October, 1970.
- Armstrong, D. T. "Endocrine Regulation of Ovum Implantation", Department of Biology, Marquette University, Milwaukee, Wisconsin, October, 1970.
- Armstrong, D. T. "Endocrinology of Pregnancy", Royal College of Physicians and Surgeons, Ottawa, Ontario, January, 1971.
- Armstrong, D. T. "Regulation of Steroidogenesis in the Corpus Luteum", University of California, San Francisco, California, April, 1971.
- Armstrong, D. T. "Action of Progesterone on Peripheral Target Tissues", University of California, San Francisco, California, April, 1971.
- Collins, J. A. "Progesterone Metabolism in Clinical Problems", Royal College of Physicians and Surgeons, Ottawa, Ontario, January, 1971.
- Collins, J. A. "Gonadotrophins in the investigation of Amenorrhoea & Hirsutism", Royal College of Physicians and Surgeons, Ottawa, Ontario, January, 1971.
- Harding, P. G. R. "The High Risk Pregnancy - Its Impact on the Community", Registered Nurses Association of Ontario, Toronto, Ontario, May, 1971.
- Harding, P. G. R. "The Dysmature Fetus", Department of Obstetrics and Gynaecology, University of Pittsburgh, Pittsburgh, Pennsylvania, September, 1970.
- Plunkett, E. R. "Ovulation Induction", Canadian Association for Research in Toxicology, Montreal, P.Q., November, 1970.
- Plunkett, E. R. "The Failing Ovary", 7th Annual E. C. Hamblen Symposium in Reproductive Biology and Family Planning", Duke University Medical Center, Durham, North Carolina, May, 1971.
- Plunkett, E. R. "Peripheral Progesterone Metabolism", 7th Annual E. C. Hamblen Symposium in Reproductive Biology and Family Planning, Duke University Medical Center, Durham, North Carolina, May, 1971.

- Plunkett, E. R.  
and Collins, J. A.  
and Armstrong, D. T. "Correlated Seminar - Gynaecological Endocrinology The Corpus Luteum, Progesterone and the Endometrium", Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, January, 1971.
- Plunkett, E. R.  
and Collins, J. A. "Principles of Diagnosis in Reproductive Endocrine Problems Correlated Seminar - Gynaecological Endocrinology", The Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, January, 1971.
- Plunkett, E. R.  
and Yuzpe, A. A.  
and MacLeod, C. "The Clinical Implications of Hypothalamic Control of Gonadotrophins Correlated Seminar - Gynaecological Endocrinology", Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, January, 1971.
- Plunkett, E. R. "Recent Advances in Infertility Treatment", 27th Annual Meeting - The Society of Obstetricians and Gynaecologists of Canada, Halifax, N.S., June, 1971.
- Walters, J. H. "The Impact of a Computer Based Cytology Program on the Incidence of Cervical Carcinoma", 4th International Congress of Cytology, London, England, May, 1971.
- Walters, J. H. "Obstetrical-Gynaecological Practice in Canada", Society of Obstetricians and Gynaecologists, Halifax, N.S., June, 1971.
- Walters, J. H. "Report of Sub-Committee on Perinatal Problems", Ontario Council of Health, Toronto, Ontario, June, 1971.
- Walters, J. H. "High Risk Pregnancy", London, Ontario, December, 1970.
- Yuzpe, A. A. "The Clinical Implications of Hypothalamic Control of Gonadotrophins", The Royal College of Physicians and Surgeons, Ottawa, Ontario, January, 1971.

#### Department of Ophthalmology

- Nicholls, J. V. V. "Learning Disabilities in Young Children", Lincoln County Department of Education and St. Catharines' Parent Teachers Association, St. Catharines, Ontario, October, 1970.
- Nicholls, J. V. V. "Learning Disabilities with Special Reference to Dyslexia", Perth Hurson Medical Society, Stratford, Ontario, March, 1971.

#### Department of Paediatrics

- Amacher, A. L.  
and Shillito, J. "The Syndromes and Surgery of Aneurysms of the Great Vein of Galen", Congress of the European Society for Paediatric Neurosurgery, Versailles, France, September, 1970.
- Amacher, A. L.  
and Drake, C. G. "Cerebral Angiomata: Sequelae of Surgical Treatment", Academy of Neurological Surgeons, Mexico, October, 1970.
- Valentine, G. H. "The Growth and Development of Four XYY Infants", Royal College of Physicians and Surgeons of Canada, Ottawa, Ontario, January, 1970.

#### Department of Pathological Chemistry

- Brownstone, Y. S.  
and Chapman-Andreson, C. "Degradation of pinocytically ingested human serum albumin by chaos", Annual Meeting of the Scandinavian Section of the Society of Protozoologists, Copenhagen, Denmark, April, 1971.
- Jones, D. S. "Immunofluorescent studies on cardiac allotransplants", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.



- Kimber, R. W. "Tissue typing", Ontario Dialysis Association, St. Joseph's Hospital, London, Ontario, April, 1971.
- Kimber, R. W. "Chronic renal failure - conservative and definitive treatment", Strathroy Medical Group, Strathroy, Ontario, May, 1971.
- Linton, A. L. "Nephrotoxicity of antibiotics", Royal College of Physicians and Surgeons of Canada, 1971 Meeting, Ottawa, Ontario, January, 1971.
- Linton, A. L. "Body water and electrolyte composition in acute renal failure", Royal College of Physicians and Surgeons of Canada, 1971 Meeting, Ottawa, Ontario, January, 1971.
- McDonald, J. W. D. "Erythrocyte adaptation to anemia", 91st Annual Meeting of the Ontario Medical Association, Toronto, Ontario, May, 1971.
- Tustanoff, E. R. "Control of mitochondrial genesis in yeast", 5th International Conference on Yeast Genetics, Chalk River, Ontario, October, 1970.

#### Department of Surgery

- Bailey, S.  
and Carroll, S. E. "Arterial Injuries", S.W.O. Surgical Society, 1970.
- Carroll, S. E. "Regional Perfusion and Survival in Haemorrhagic Shock", Royal College, January, 1971.
- Carroll, S. E. "Management of Chest Injuries", Trauma Day, St. Joseph's Hospital, September, 1970.
- Carroll, S. E. "An Unusual Case of Foreign Body in the Chest Wall", Ringer Night, St. Joseph's Hospital, December, 1970.
- Gergely, N. F. "Immunofluorescent Studies on Radiated Cardiac Allografts", International Symposium on Atherosclerosis, Toronto, Ontario, June, 1971.
- Kennedy, J. C. 1. "Mechanical Evaluation of Knee Instability" 2. "Pitfalls of Lateral Meniscectomy", American Academy of Orthopaedic Surgeons Sports Medicine - Knee Symposium, San Francisco, California, August, 1970.
- Kennedy, J. C. "Pitfalls of Lateral Meniscectomy", American Academy of Orthopaedic Surgeons Sports Medicine Symposium, Buffalo, N.Y., September, 1970.
- Kennedy, J. C. Carl Badgley Address - 1. "Problem of Medial Instability of the Knee" 2. "Posterior Cruciate Ligament" 3. "Complete Dislocation of the Knee" 4. "Osteochondral Fractures". The University of Michigan, Ann Arbor, Michigan, October, 1970.
- Kennedy, J. C. "The Athlete and the Doctor", Canadian Academy of Sports Medicine, Osler Hall, Academy of Medicine, University of Toronto, Toronto, Ontario, November, 1970.
- Kennedy, J. C. 1. "Dislocations of the Knee Joint" and 2. "Panel Discussion on Fractures of the Lower Extremity". American Academy of Orthopaedic Surgeons Lower Extremity Course, Miami Beach, Florida, December, 1970.
- Kennedy, J. C. "Common Knee Joint Problems", The Workmen's Compensation Board, Toronto, Ontario, January, 1971.
- Kennedy, J. C. "Orthopaedic Training in Canada", Canadian Orthopaedic Association Committee Meeting on Education, Ottawa, Ontario, January, 1971.
- Kennedy, J. C. 1. "Treatment of the Unstable Knee" and 2. "Anatomical Basis for Knee Joint Reconstruction". American Academy Meeting, San Francisco, California, March, 1971.

- Kennedy, J. C. "The Training of an Orthopaedic Surgeon in Canada", International Council for Orthopaedic Accreditation, Edinburgh, Scotland, April, 1971.
- Kennedy, J. C. "The Fellowship Examinations - Orthopaedic Concept", Royal College of Physicians and Surgeons Meeting, Ottawa, Ontario, April, 1971.
- Kennedy, J. C. "Complete Dislocation of the Knee", New York, N.Y., April, 1971.
- Kennedy, J. C. 1. "Complete Dislocation of the Knee Joint" 2. "Functional Anatomy of the Knee Joint". Alfred I. Dupont Institute Spring Seminar, Wilmington, Delaware, May, 1971.
- Kennedy, J. C. "Lateral Instability of the Knee Following Lateral Compartment Injury", Canadian Orthopaedic Association, Jasper Park Lodge, Jasper, Alberta, June, 1971.
- McAninch, L. N. "A Review of 125 Cases of Vesico Ureteral Reflux", Paediatrics Section of American Urological Association, Chicago, Illinois, May, 1971.
- McAninch, L. N. "Management of Renal Trauma", Canadian Urological Association, Halifax, N.S., June, 1971.
- McAninch, L. N. "Management of Vesico Ureteral Reflux", Canadian Urological Association, Halifax, N.S., June, 1971.
- McAninch, L. N. "Urinary, Fistulae Complicating Gynaecology", Wayne State University, Department of Gynaecology, Detroit, Michigan, October, 1970.
- McAninch, L. N. "Urinary Obstruction", Grey-Bruce Section of Family Practise, Owen Sound, Ontario, April, 1971.
- McAninch, L. N. "A New Method of Diagnosing Ectopic Ureterocelles", American Urological Association, Palmer House, Chicago, Illinois, May, 1971.
- McAninch, L. N. and Wyatt, J. M. "Total Replacement of Ureters with Loop of Ileum", Canadian Urological Association, Halifax, N.S., June, 1971.
- McCredie, J. A. "The Effect of Local Radiotherapy on the Immune Response in Patients with Cancer", Emory University, Atlanta, Georgia, May, 1971.
- McCredie, J. A. "Recent Advances in the Management of Patients with Carcinoma Breast", Orillia Medical Society, Orillia, Ontario, June, 1971.
- McLachlin, A. D. "Changing Responsibilities of Surgeons and Hospitals to the Community", Wayne County Medical Society, Detroit, Michigan, November, 1970.
- McLachlin, A. D. "Medical Ethics", Detroit Surgical Society Annual Lecture for Students at Wayne State University, Detroit, Michigan, November, 1970.
- McLachlin, A. D. "Venous Disorders", Detroit Surgical Association, Detroit, Michigan, November, 1970.
- McLachlin, A. D. "Venous Thrombosis in the Legs and its Sequelae", Health Sciences Centre, McMaster University, E. C. Janes Memorial Lecture 1971, Hamilton, Ontario, March, 1971.
- McLachlin, A. D. "Surgery in Africa", Elgin County Medical Association, St. Thomas, Ontario, March, 1971.
- McLachlin, A. D. "Modern Treatment of the Lower Limb Amputee" Symposium, Subject: "Sites of Amputation - Current Concepts", Sectional Meeting, American College of Surgeons, Montreal, P.Q., April, 1971.

- McLarty, T. D. "Ileostomy Dysfunction", Ontario Medical Association Annual Meeting, Ottawa, Ontario, May, 1970.
- Meads, G. E. "Management of Abdominal Injuries", St. Joseph's Hospital Refresher Day, London, Ontario, September, 1970.
- Meads, G. E. "Surgical Experience in Viet Nam", Royal College of Physicians and Surgeons, Canada, Ottawa, Ontario, January, 1971.
- Meads, G. E. "Surgical Experience in Viet Nam", North Peel Medical Society of Brampton, Ontario, Brampton, March, 1971.
- Passi, R. B. and Girvan, D. P. "Acute Stress Ulceration with Bleeding or Perforation", Central Surgical Association, Minneapolis, Minnesota, March, 1971.
- Passi, R. B. and Girvan, D. P. "Hypoxia and Gastric Mucous Secretions", University Surgical Residents Conference, Miami Beach, Florida, April, 1971.

#### FACULTY OF DENTISTRY

##### Department of Oral Medicine

- Kogon, S. L. "Dental Identification in the Woodbridge Disaster", Canadian Society of Forensic Odontology Symposium, Toronto, Ontario, October, 1970.
- Kogon, S. L. "Dental Identification in the Woodbridge Disaster", Forest City Study Club, London, Ontario, May, 1971.
- Moore, D. S. "Occlusal Problems Requiring Treatment by the Practitioner", Stratford and District Dental Society, Stratford, Ontario, October, 1970.
- Petersen, K. B. "Dental Identification Procedures in the Woodbridge Disaster", Canadian Society of Forensic Odontology, Toronto, Ontario, November, 1970.
- Petersen, K. B. "The Role of Forensic Odontology in Legal Procedures", Crown Attorneys in South Western Ontario, London, December, 1970.
- Petersen, K. B. "Dental Identification in a Mass Disaster", London and District Dental Society, London, Ontario, March, 1971.
- Petersen, K. B. "Organization of the Dental Identification Team in the Woodbridge Disaster", Chief Medical Center in New York, New York City, March, 1971.
- Petersen, K. B. "Organization and Dental Identification Procedures in the Woodbridge Disaster", Federation Dentaire Internationale Working Group on Forensic Odontology, Munich, Germany, June, 1971.
- Reid, J. A. "The Effect of Changes in Development Procedures and Chemical Modification of Processed Radiographic Film", Joint Research Meeting, I.A.D.R., Toronto, Ontario, February, 1971.
- Reid, J. A. "Radiographic Technique - Exposure, Processing and Viewing", Kente Chapter - Academy of General Dentistry, Belleville, April, 1971.

##### Department of Oral Surgery

- Parnell, A. G. "Management of Surgical Complications in the Dental Office", Northern Ontario Dental Association, Sault Ste. Marie, September, 1970.

- Parnell, A. G. "Odontogenic Cysts and Tumours", Western Ontario Section, Canadian Association of Radiologists, St. Joseph's Hospital, London, Ontario, November, 1970.

Department of Paediatric Dentistry

- Feasby, W. H. "A Radiographic Study of Eruption", The Dental School University of Birmingham, Birmingham, England, May, 1971.
- Feasby, W. H. "A Comparison of Two Mandibular Reference Planes", American Academy of Pedodontics, Atlanta, Georgia, August, 1970.
- Hunter, W. S. "Orthodontics for the General Practitioner" (One-day Seminar), University of Sydney, Sydney, Australia, February, 1971.
- Hunter, W. S. "Orthodontic Research" (One-day Seminar), New South Wales Orthodontic Society, Sydney, Australia, February, 1971.
- Hunter, W. S. "Growth and Interceptive Orthodontics" (One-day Seminar), New Zealand Orthodontic Society, Auckland, New Zealand, May, 1971.
- Hunter, W. S. "The Development of Mandibular Spacing-Crowding from 9 to 16 Years of Age", American Association of Orthodontists, New Orleans, Louisiana, May, 1971.
- Wright, G. Z. "Common Dental Problems in Paediatric Practice", Kaulikeolani Children's Hospital, Pacific Institute of Rehabilitation, Honolulu, Hawaii, December, 1970.

Department of Restorative Dentistry

- Goto, G. "The Rate of Reparative Dentine Formation in the Human Deciduous Teeth", I.A.D.R. Meeting in Toronto, Ontario, February, 1971.
- Goto, G. "The Effect of Crown Preparation on the Deciduous Pulp", 49th General Session of I.A.D.R., Chicago, Illinois, March, 1971.
- Gwinnett, A. J. "Adhesive Sealing of Pits and Fissures to Prevent Caries", Eastman Dental Center, Rochester, New York, July, 1970.
- Gwinnett, A. J. "Effect of Fluoride on Etched Enamel", International Association for Dental Research, Chicago, Illinois, March, 1971.
- Gwinnett, A. J. "Sealing of Pits and Fissures to Prevent Caries", The University of Western Ontario, Western Ontario Dental Study Group, London, Ontario, February, 1971.
- Gwinnett, A. J. "Biologic Considerations Which Influence the Use of Adhesives in the Oral Cavity", Toronto Chapter of I.A.D.R., Toronto, Ontario, February, 1971.
- Johnson, L. N. "SEM of Composites Finished by Various Methods", Conference on Recent Developments in Resin Composites and Dental Amalgam, University of Michigan School of Dentistry, Ann Arbor, Michigan, September, 1970.
- Johnson, L. N. "Size and Shape of Amalgam Particles Prepared by Various Methods", Conference on Recent Developments in Resin Composites and Dental Amalgam, University of Michigan School of Dentistry, Ann Arbor, Michigan, September, 1970.
- Johnson, L. N. "Plastic and Composite Restorations", Bay of Quinte Dental Society, Belleville, October, 1970.
- Johnson, L. N. "Properties of Composite Restorative Materials, Indications, Insertion Techniques and Limitations", Conference on the Continuing Education on Restorative Materials, U.W.O., London, Ontario, November, 1970.

- Johnson, L. N. "Anterior Restorative Materials", London and District Dental Society, London, Ontario, December, 1970.
- Johnson, L. N. "Stereoscopic Measurements on the Micro-Scale by Combining SEM and Photogrammetry", Symposium on Close Range Photogrammetry, American Society of Photogrammetry, Urbana, Illinois, January, 1971.
- Johnson, L. N. "Management of Dental Materials", Norfolk County Dental Society, Simcoe, Ontario, February, 1971.
- Johnson, L. N. "Phase Discrimination Using Scanning Electron Microscopy Techniques", International Association for Dental Research, Dental Materials Group, Chicago, Illinois, March, 1971.
- Johnson, L. N. "Interaction of Some Dental Cements with Tooth Structure Observed by SEM", International Association for Dental Research, Dental Materials Group, Chicago, Illinois, March, 1971.
- Johnson, L. N. "The Influence of Roughness on Wetting and Adhesion in a Dental Adhesive System", International Association for Dental Research, Dental Materials Group, Chicago, Illinois, March, 1971.
- Johnson, L. N. "Phase Changes in the Growth of Hydroxyapatite: A SEM Study", International Association for Dental Research, Chicago, Illinois, March, 1971.
- Johnson, L. N. "The Use of Color in X-ray Imagery as Applied Amalgam", Dental Study Club, U.W.O., London, Ontario, April, 1971.
- Johnson, L. N. "Stereometric Quality of Scanning Electron Microscope Imagery", Seminar on Quantitative Imagery in the Biomedical Sciences, Baylor University, Houston, Texas, May, 1971.
- Jordan, R. E. "Variable Control in Restorative Dentistry", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, Johnstown, Pennsylvania, February, 1971.
- Jordan, R. E. "Operative Dentistry", Sudbury and District Dental Society, Sudbury, Ontario, February, 1971.
- Jordan, R. E. "Restorative Dentistry for the General Practitioner", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, State College, Pennsylvania, March, 1971.
- Jordan, R. E. "Restorative Dentistry for the General Practitioner", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, Altoona, Pennsylvania, March, 1971.
- Jordan, R. E. "Adolescent Restorative Dentistry", American Society of Dentistry for Children, Minnesota Unit, Minneapolis, Minn., March, 1971.
- Jordan, R. E. "Operative Dentistry for the General Practitioner", Thunder Bay Dental Association, Thunder Bay, Ontario, March, 1971.
- Jordan, R. E. "Restorative Dentistry", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, Pottsville, Pennsylvania, April, 1971.
- Jordan, R. E. "Restorative Dentistry", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, Reading, Pennsylvania, April, 1971.
- Jordan, R. E. "Operative Dentistry for the General Practitioner", University of Pittsburgh, School of Dental Medicine, Division of Continuing Education, Bradford, Pennsylvania, April, 1971.
- Jordan, R. E. "Control of Variables in General Operative Dentistry", College of Dental Surgeons of Saskatchewan, Annual Convention, Prince Albert, Sask., May, 1971.

- Ryan, J. E. "Designing Removable Partial Dentures", Canadian Dental Association, Winnipeg, Manitoba, July, 1970.
- Ryan, J. E. "Partial Denture Construction", M.D. Anderson Hospital, Maxillofacial Department, Houston, Texas, August, 1970.
- Ryan, J. E. "Complete Prosthodontics", West Toronto Dental Society, Toronto, Ontario, October, 1970.
- Ryan, J. E. "Prosthodontics and the Practitioner", Northern Ontario Dental Association, Sudbury, Ontario, February, 1971.
- Ryan, J. E. "Tissue Conditioners: Uses and Abuses", Southwestern Ontario Dental Study Club, London, Ontario, April, 1971.
- Ryan, J. E. "Anatomy and Complete Dentures", London and District Dental Study Club, London, Ontario, May, 1971.
- Skinner, D. H. "Endodontics for the General Practitioner", London and District Dental Study Club, London, Ontario, November, 1970.
- Skinner, D. H. "Endodontics: One Appointment Technic", One-day Post-Graduate Course at The University of Western Ontario, London, Ontario, January, 1971.
- Skinner, D. H. "Endodontics for the General Practitioner", Thunder Bay Dental Association, Thunder Bay, Ontario, March, 1971.
- Skinner, D. H. "Endodontics for Children", Wingham and District Dental Society, Wingham, Ontario, April, 1971.
- Suzuki, M. "Conservative Treatment of Deep Carious Lesions", Toronto Chapter, I.A.D.R., Faculty of Dentistry, University of Toronto, Toronto, Ontario, February, 1971.
- Teteruck, W. R. "Esthetics in Fixed Prosthodontics", West Toronto Dental Society, Toronto, Ontario, October, 1970.
- Teteruck, W. R. "Horizontal Factors of Occlusion - Ridge and Groove Determinants", American Equilibration Society, Chicago, Illinois, February, 1971.
- Teteruck, W. R. "Solid Foundations for Restorative Dentistry", Essex County Dental Society, Windsor, Ontario, January, 1971.

#### Department of Social Dentistry

- Martinello, B. P. "Geriatric Oral Conditions and Needs in Ontario", Ontario Dental Association - Annual Meeting Panel on Geriatric Dentistry, Toronto, Ontario, May, 1971.

#### PROGRAM IN MEDICAL REHABILITATION

##### Program in Physical Therapy

- Egan, D. A. "Assessment of the Shoulder", Symposium on Rehabilitation, St. Michael's Hospital, Toronto, Ontario, March, 1971.

#### FACULTY OF LAW

- Atkey, R. G. "The Recent Recommendations of the Ontario Law Reform Commission on Sunday Observance Legislation", The United Church of Canada, Manor Road United Church, Toronto, Ontario, May, 1971.

- Atkey, R. G. "The Role of NATO in the Protection of the Environment", The Government of Canada and the Biannual Conference of the Atlantic Association of Young Political Leaders, Dusseldorf, Germany, June, 1971.
- Atkey, R. G. "Comment on an Address by Senator Eugene Forsey on 'Constitutional and International Legal Aspects of Economic and Cultural Nationalism'", The Government of Ontario (Department of Treasury and Economics) Conference on Economic and Cultural Nationalism, Toronto, Ontario, June, 1971.
- Krever, H. "Personal Impressions of the Feasibility of Effective Co-operation in the Provision of Health Services", Third Conference on Co-operation in the Provision of Health Services, Toronto, Ontario, November, 1970.
- Krever, H. "Professionalism and Society", Sarnia University Women's Club, Sarnia, Ontario, February, 1971.
- Krever, H. "Guiding Principles for the Health Disciplines", Annual Meeting, Ontario Optometrical Association, Toronto, Ontario, March, 1971.
- Krever, H. "Problems of Licensing Physician Support Personnel", National Conference on Assistance to the Physician, Ottawa, Ontario, April, 1971.
- Krever, H. "Police - Community Relations", Conference on Police - Community Relations, Belleville, April, 1971.
- Krever, H. "Health Care - 2071 and the Individual", Century Two Symposium, London Psychiatric Hospital, London, Ontario, May, 1971.
- Krever, H. "The Feasibility of Co-operation in the Provision of Community Health Services", Annual Meeting, Ontario Association of Medical Clinics, Sarnia, Ontario, May, 1971.
- Krever, H. "The Old Order: Can it Change?", Annual Meeting, Victorian Order of Nurses, Ottawa, Ontario, May, 1971.
- Krever, H. "Judgments and Law Reporting", Annual Meeting, County and District Court Judges of Ontario, Toronto, Ontario, April, 1971.
- McRae, D. M. "Claims Under the Dependents' Relief Act", The Advocates' Society Surrogate Court Workshop for the Working Bar, London, Ontario, March, 1971.
- Samuels, J. W. "Prospective International Control of Weather Modification Activities", U.B.C. Symposium on International Legal Aspects of Pollution, Vancouver, B.C., September, 1970.

#### FACULTY OF ENGINEERING SCIENCE

- Abu-Sitta, S. H. "Vibration Characteristics and Earthquake Response of Hyperbolic Cooling Towers", IASS Colloquium, University of Brussels, Brussels, Belgium, May, 1971.
- Abu-Sitta, S. H. "Shell Analysis", Report on Technical Session, IASS Symposium, Beirut, Lebanon, April, 1971.
- Baker, C. G. J. "Molten Salts", University of Rhode Island, Kingston, R.I., February, 1969.
- Baker, C. G. J. "Further Studies on Grid Leakage in Gas Fluidized Beds", 20th Canadian Chemical Engineering Conference, Sarnia, Ontario, October, 1970.
- Base, T. E. "Mathematical Studies of Models to Represent Unsteady Fluid Flow" (Selected Short Paper), Fluid Dynamics Symposium, McMaster University, Hamilton, Ontario, August, 1970.

- Beeckmans, J. M. "Sonic Filtration", Seminar Canadian Committee on Acoustics, U.W.O., London, Ontario, May, 1970.
- Beeckmans, J. M. "An Automatic System for Aerosol Collection and Analysis", Annual Meeting, Canadian Institute of Chemical Engineering, Sarnia, Ontario, October, 1970.
- Beeckmans, J. M. "Automatic Monitoring of Air Pollution Sources", Chemical Institute of Canada Symposium on Source Monitoring, Toronto, Ontario, February, 1971.
- Bergering, A. J. "Learning", U.W.O., London, Ontario, March, 1971.
- Bergougnou, M. A.  
and Baker, C. G. J.  
and Base, T. E.  
and Behie, L. A. "Further Dissipation Studies on Momentum Dissipation of Grid Jets in a Gas Fluidized Bed" (Accepted for publication in the Canadian Journal of Chemical Engineering), Sarnia C.S.Ch.E. Conference, Sarnia, Ontario, October, 1970.
- Bergougnou, M. A. "Fundamentals of Fluidization", University of Sherbrooke, Sherbrooke, Quebec, December, 1970.
- Bergougnou, M. A. "Application of Fluidized Beds to the Treatment of Solids" (keynote address), Congrès des Arts Chimiques, Paris, France, April, 1971.
- Bergougnou, M. A. "Applications of Fluidization to the Industrial Processing of Solids", Societe Naphtachimie, Marseille, France, April, 1971.
- Bergougnou, M. A. "Applications of Fluidization to the Industrial Processing of Solids", Ecole des Mines, Université de Saint-Etienne, Saint-Etienne, France, May, 1971.
- Bergougnou, M. A. "Industrial Fluidization Seminar", University of Nancy, Nancy, France, May, 1971.
- Castle, G. S. P.  
and Inculet, I. I. "Dielectric Collection Media in Electrostatic Precipitation", 84th Annual Meeting, The Engineering Institute of Canada, Ottawa, Ontario, September, 1970.
- Chess, G. F. "The Electric Hazards Associated with Electrosurgical Units", Department of Surgery, St. Joseph's Hospital, London, Ontario, April, 1971.
- Davenport, A. G. "Towards the Practical Application of Structural Reliability Theory", with N. C. Lind, 1971 Annual Convention, American Concrete Institute Symposium on Probabilistic Methods, Denver, Colorado, March, 1971.
- Davenport, A. G. "New Approaches to the Design of Major Structures Against Wind", Carleton University, Ottawa, Ontario, March, 1971.
- Davenport, A. G. "On the Statistical Prediction of Structural Performances in the Wind Environment", U.S.-Japan Research Seminar "Wind Loading on Structures", University of Hawaii, October, 1970, and the American Society of Civil Engineers, National Structural Meeting, Baltimore, Maryland, April, 1971.
- Davenport, A. G. "Wind Loading Criteria & the Statistical Prediction of Response to Wind", Massachusetts Institute of Technology, Cambridge, Massachusetts, April, 1971.
- Davenport, A. G. "Wind Structure Over Cities", 2nd Canadian Conference on Micrometeorology, Macdonald College, McGill University, Montreal, Quebec, May, 1971.
- Davenport, A. G.  
and Abu-Sitta, S. H.  
and Isyumov, N. "Dynamic Response of Cooling Towers to Wind and Earthquake", Colloquium on "Recommendations for the Structural Design of Hyperbolic or Other Similarly Shaped Cooling Towers", Brussels, Belgium, May, 1971.
- Davenport, A. G. "Wind Effects on Tall Buildings - New Approaches to the Prediction of Wind Forces", Great Lakes Fabricators and Erectors Association Breakfast Meeting, Detroit, Michigan, June, 1971.



- Davenport, A. G. "Wind Effects on Tall Buildings - New Approaches to the Prediction of Wind Forces", Michigan State University, East Lansing, Michigan, June, 1971.
- Denny, P. "Creative Thinking", U.W.O., London, Ontario, March, 1971.
- Emmerson, G. S. "Sir Walter Scott and Robert Stevenson, The Engineer of the Scottish Lighthouse Board", Conference of Scottish Studies, Guelph, Ontario, May, 1971.
- Foreman, J. E. K. "Noise Pollution", Pollution Teach-In at Fanshawe College of Applied Arts and Technology, London, Ontario, October, 1970.
- Foreman, J. E. K. "Noise Pollution - A Matter of Awareness", Seminar on Environmental Science for Elementary and Secondary School Teachers, Althouse College of Education, U.W.O., London, Ontario, December, 1970.
- Foreman, J. E. K. "Noise in Modern Society", London Council of Women, February, 1971.
- Inculet, I. I. "Air Pollution", Seminar to High School Teachers, London, Ontario, 1970.
- Inculet, I. I. "Particle Charging by Means of Electric Fields and Flame Ions", 2nd International Clean Air Congress, Sheraton-Park Hotel, Washington, D.C., December, 1970.
- Inculet, I. I. "Electrostatic Charging and Dissipation of Dust Clouds in Enclosed Rooms", I.E.E.E. Conference, IGA/1970 Fifth Annual Meeting of the I.E.E.E. Industry and General Applications Group, La Salle Hotel, Chicago, Illinois, October, 1970.
- Inculet, I. I. "Contact Electrification", Albany Conference on Electrostatics of the American Meteorological Society, Albany, New York, June, 1971.
- Kosaric, N. "New Possibilities and Development of New Methods for the Future Food Production", Chemical Institute of Canada and Association of Professional Engineers of Ontario, Joint Meeting, London, Ontario, November, 1970.
- Kosaric, N. "Production of Food by Chemical and Bio-Chemical Synthesis", John Labatt's Ltd., Food Group Research Section, London, Ontario, December, 1970.
- Kosaric, N. and Rozanis, J. and Yu, K. and Zajic, J. E. "Dextranase and Associated  $\alpha$ -1, 3 glucan 3-glucano-hydrolase from *Penicillium funiculosum*", Canadian Federation of Biological Societies 14th Annual Meeting, Toronto, Ontario, June, 1971.
- Lo, K. Y. "The Operational Strength of Fissured Materials", Stuttgart University, Germany, September, 1970.
- Lo, K. Y. "The Effect of Material Discontinuities in Clays and Rocks", Karlsruhe University, Germany, September, 1970.
- Lo, K. Y. "The Past, Present and Future Trends of Geomechanics", Inaugural Lecture, Faculty of Engineering Science, U.W.O., London, Ontario, November, 1970.
- MacDonald, J. A. "The Future of Production Engineering for the Next Decade", Annual Meeting of the Society of Manufacturing Engineers (London Section), London, Ontario, March, 1971.
- MacDonald, J. A. "Group Discussion on the Future of Material Handling, Teaching and Research, Purdue University, Lafayette, Indiana, June, 1971.
- MacDonald, J. A. "Presented Second Year Design "Underwater Speargun, Air Operated", ASEE Meeting, held at the Naval Academy, Annapolis, Maryland, June, 1971.

- Novak, M. "Aeroelastic Stability of Structures", U.W.O., Faculty of Engineering Science, Civil Engineering Seminar Series, London, Ontario, November, 1970.
- Novak, M. "Galloping Oscillations", California Institute of Technology, Conference on Wind Loads on Structures, Pasadena, California, December, 1970.
- Novak, M. "The Effect of Embedment on Footing Vibration", University of British Columbia, First Canadian Conference on Earthquake Engineering Research, Vancouver, British Columbia, May, 1971.
- Nowak, E. S. "Thermal Properties of Heavy Water Measurements and Uncertainties", Chalk River Nuclear Laboratories, Atomic Energy of Canada, Deep River, Ontario, November, 1970.
- Nowak, E. S. "The Influence of the Thermal Properties of Heavy Water on the Capital Cost of Candu Reactors", Central Nuclear Operations, Ontario Hydro, Toronto, Ontario, November, 1970.
- Nowak, E. S. "A Calorimeter to Investigate the Saturation Behaviour of Heavy Water and Other Fluids to Their Respective Critical Points", Fifth Symposium Thermophysical Properties, American Society Mechanical Engineers, Boston, Massachusetts, October, 1970.
- Nowak, E. S. "Design of a High Pressure Adiabatic Calorimeter", National Bureau of Standards, Physics Division, Washington, D.C., May, 1971.
- Nowak, E. S. "The Enthalpy of Heavy Water", Annual Meeting of the Engineering Institute of Canada, Ottawa, Ontario, September, 1970.
- Quigley, R. M. "Bacteria in Geotechnical Engineering", Northwestern University, National Science Foundation Summer Institute, Evanston, Illinois, July, 1970.
- Quigley, R. M. "Geochemical Factors Influencing Insitu Soil Properties and Soil Mechanics Research", Northwestern University, National Science Foundation Summer Institute, Evanston, Illinois, July, 1970.
- Quigley, R. M. "Black Shale Oxidation and Heave by Bacteria", Chatham Chapter A.P.E.O., Chatham, Ontario, April, 1971.
- Roy, C. "Effect of Surface Orientation on the Oxidation of Zirconium", Electrochemical Society Meeting, Atlantic City, New Jersey, October, 1970.
- Sheasby, J. S. "The Sticking of Iron Ore During Reduction by Hydrogen in a Fluidized Bed", Centennial Meeting, American Institute of Metallurgical Engineers, New York, N.Y., March, 1971.
- Swartman, R. K. and Swaminathan, C. "Economic Aspects of Solar-Powered Absorption Refrigeration", 1970 Winter Annual Meeting of the American Society of Mechanical Engineers, New York, N.Y., November-December, 1970.
- Swartman, R. K. and Robertson, J. G. and Swaminathan, C. "Effects of Changes in the Atmosphere on Solar Insulation", 1971 International Solar Energy Society Conference, Greenbelt, Maryland, May, 1971.
- Swartman, R. K. "Activities of the Engineering Institute of Canada in Collective Bargaining", Annual Meeting of the Sarnia Branch, Engineering Institute of Canada, Sarnia, Ontario, May, 1971.
- Swartman, R. K. "An Integrated Engineering Laboratory for Sophomores", Annual Conference of the American Society for Engineering Education, Annapolis, Maryland, June, 1971.
- Watson, A. "Discharges in Insulation in Vacuum", Fourth International Symposium, Waterloo, Ontario, September, 1970.

- Watson, A. "High Voltage Vacuum Breakdown", Chemical Physics Colloquium, U.W.O., London, Ontario, January, 1971.
- Zajic, J. E. "The Use of Microbes in Pollution Control", Michigan State University, Summer Institute, East Lansing, Michigan, June-July, 1970.
- Zajic, J. E. and Knettig, E. "Polysaccharides Produced from Chain Paraffinic Hydrocarbons", Society for Industrial Microbiology, Rhode Island, August, 1970.
- Zajic, J. E. and Masters, M. "Hydrocarbon Substrates for Algae", Society for Industrial Microbiology, Rhode Island, August, 1970.
- Zajic, J. E. "Continuous Production of Fungal Protein from Gaseous Hydrocarbons", International Congress for Microbiology, Mexico City, Mexico, August, 1970.
- Zajic, J. E. "Single Cell Protein from Hydrocarbons", American Oil Chemical Meeting, Chicago, Illinois, September-October, 1970.
- Zajic, J. E. "Use of Microorganisms to Destroy Pollutants", B. and G. Sciences Building, Room 46, London, Ontario, November, 1970.
- Zajic, J. E. "The Potential of Single Cell Protein Production from Hydrocarbons", Local Section of the Chemical Institute of Canada, London, Ontario, January, 1971.
- Zajic, J. E. "Environmental Balances", Chemical Institute of Canada, Althouse College, London, Ontario, April, 1971.
- Zajic, J. E. "Developments of Single Cell Protein in Hydrocarbons", A.S.M. Meeting, Minneapolis, Minnesota, May, 1971.

SCHOOL OF BUSINESS ADMINISTRATION

- Archibald, T. R. "Stock Market Reaction to Different Accounting Methods", Management Science Seminar, Carleton University, Ottawa, Ontario, March, 1971.
- Britney, R. R. "Inventories, Their Functions, Forms and Control", Canadian Association of Production and Inventory Control, Toronto, Ontario, May, 1971.
- Britney, R. R. "Western's Business School Program in Production and Inventory Control", Canadian Association of Production and Inventory Control, London, Ontario, January, 1971.
- Coleman, D. "An Allocation Rationing and Control System for University Computing", Ontario Universities' Computing Conference, Ottawa, Ontario, January, 1971.
- Crookell, H. "Appliance Marketing in Canada", CAMA Convention, Seigniory Club, Montebello, P.Q., May, 1971.
- Distefano, J. J. "Salesmen and Sales Managers' Analytic Skill and Personal Descriptions", Associates Research Day, Business School, U.W.O., London, Ontario, May, 1971.
- Distefano, J. J. "Student Unrest: A Trustee Talks to the Faculty", Rensselaer Polytechnic Institute, Troy, New York, May, 1971.
- Hardy, K. G. "A New Method for Employing Video Tape in the Classroom", Association of Canadian Schools of Business, St. John's, Newfoundland, June, 1971.
- Hardy, K. G. "The Buying Process for the M.B.A. Program", Association of Canadian Schools of Business, St. John's, Newfoundland, June, 1971.

- Heffernan, J.  
and Britney, R. R. "Linear Regression Analysis with Asymmetric Quadratic Loss Functions", Research Forum, School of Business Administration, London, Ontario, March, 1971.
- Knight, R. M. "Computer Centre Management", Data Processing Management Association, London, Ontario, October, 1970.
- Knight, R. M. "Contingent Contracts for Mergers and Acquisitions", Research Forum and Research Day, School of Business Administration, London, Ontario, March-May, 1971.
- Kuechle, D. "Industrial Relations in the Construction Industry", American Society of Heating, Refrigerating and Air-Conditioning Engineers, London, Ontario, June, 1971.
- Kuechle, D. "Industrial Relations 1980", Canadian Warehousing Association, Montreal, P.Q., May, 1971.
- Leenders, M. R. "Technology and Organization", Purchasing Management Association of Canada Conference, Toronto, Ontario, June, 1971.
- Leenders, M. R. "A Blueprint for Future Purchasing Education", First World Purchasing Conference, Tel Aviv, Israel, June, 1971.
- Leenders, M. R. "Marketing, Production Interface in the Shoe Industry", Shoe Manufacturers' Association of Canada Seminar, Toronto, Ontario, February, 1971.
- Little, B. "Marketing Consumer Goods in the 1970's", National Industrial Conference, Montreal, P.Q., October, 1970.
- Little, B. "Changing Times", Sales and Marketing Executives' Club, London, Ontario, January, 1971.
- Peach, D. A. "Labor Relations in the 1970's", Grand Valley Personnel Association, Galt, Ontario, April, 1971.
- Peach, D. A. "Students and Business", London Personnel Association, London, Ontario, May, 1971.
- Peach, D. A. "Decision Making in the Grievance Procedure", Canadian Industrial Relations Research Institute, Toronto, Ontario, June, 1971.
- Sproule, R. E. "Leisure and the Executive Role", Social Science Lecture Series, Middlesex Theatre, U.W.O., London, Ontario, February, 1971.
- Sproule, R. E. "Origin of the Right to Strike", Speech and Seminar for Grade Twelve Students, Montcalm Secondary School, London, Ontario, April, 1971.
- Thain, D. H. "Government Business Relations", Public Affairs Council, Ottawa, June, 1971.
- Thain, D. H. "Government Business Planning in Canada", Symposium of Business Policy Teaching, Harvard Business School, Boston, Massachusetts, May, 1971.
- Wettlaufer, J. J. "Managerial Trends", Logistics Orientation Course, Imperial Oil Enterprises Limited, Sarnia, Ontario, December, 1970.

ALTHOUSE COLLEGE OF EDUCATION

Office of the Dean

- Stabler, E. "Education, Rural Transformation and Development Aid in Middle Africa", World Congress of Comparative Education Societies, Ottawa, Ontario, August, 1970.

- Stabler, E. "The Role and Function of a Faculty of Education", Oakwood Conference of Faculty of Education, Grand Bend, Ontario, September, 1970.
- Stabler, E. "The Internship in Canadian Teacher Education", Association of Canadian Deans of Education, Winnipeg, Manitoba, November, 1970.
- Department of Computer Studies
- Walsh, J. "Data Processing Curriculum Development", Leeds and Granville County Board of Education meeting of Mathematics, Computer Science, Data Processing and Technical teachers, Brockville, Ontario, June, 1971.
- Walsh, J. "The Need for More Canadianism in Data Processing Management Association", Data Processing Management Association, Houston, Texas, June, 1971.
- Department of Business and Commerce
- Kaluza, H. J. "Basic Methods of Presenting Accounting Topics to Secondary School Students" and "The Organization and Structure of Modern Accounting Courses" and "Marking Tests and Assignments in Accounting Courses at the Secondary School Level" and "An Accounting View of the Computerized General Ledger", Manitoba Business Education Teachers Association, Brandon, Manitoba, February, 1971.
- Westgate, D. G. "Presentation of Report on Learning to Type in Grades 5 and 6", Representatives of London Board of Education and IBM Canada Ltd., April, 1971.
- Department of Elementary Education
- Hardy, Madeline I. "Concepts, Instructional Strategies and Research in Beginning Reading", Ontario Educational Research Council, Toronto, Ontario, December, 1970.
- Hardy, Madeline I. "Research in Developmental Patterns in Beginning Reading", York University Reading Conference, Toronto, Ontario, February, 1971.
- Hardy, Madeline I. "Professional Standards for Educators of Exceptional Children", International Conference, Council for Exceptional Children, Miami Beach, Florida, April, 1971.
- Hardy, Madeline I. "Clinical Follow-up Study of Disabled Readers", Canadian Guidance and Counselling Association, Toronto, Ontario, June, 1971.
- Hardy, Madeline I. and Kenney, K. W. and Park, P. B. and Sorrill, P. W. "An Interdisciplinary Approach to Teacher Education", Canadian Association of Professors of Education, St. John's, Newfoundland, June, 1971.
- Kenney, K. W. "A Thematic Approach to Elementary School Mathematics", Northwestern Association of Teachers, Victoria, B.C., October, 1970.
- Park, P. B. "Developing Language in the Classroom", Ontario Institute for Studies in Education, Toronto, Ontario, March, 1971.
- Park, P. B. "Instructional Innovation for the 70's", Ontario Trustees Association, Strathroy, Ontario, April, 1971.
- Park, P. B. "Changing the Self Image of the Child", The Ontario Home and School Association Conference, Toronto, Ontario, May, 1971.

Department of History

- Clark, R. J. "Amerindian Studies in a Cultural Context", Ontario History and Social Science Teachers' Conference, London, Ontario, December, 1970.
- Clark, R. J. "Amerindian Studies: A Variety of Approaches", Ontario History and Social Science Teachers' Conference, Burlington, Ontario, February, 1971.
- Clark, R. J. and Milburn, G. "The Industrial Revolution: Approaches and Interpretations", Ontario History Teachers Conference, U.W.O., London, Ontario, February, 1971.
- Gray, D. M. "History and the Social Studies", National Council of Geography Education, Detroit, Michigan, November, 1970.
- Gray, D. M. "Implementation: Curriculum PIJI", Conference, Programme Consultants and Supervisors in Geography and History, Port Burwell, Ontario, June, 1971.
- Milburn, G. "Simulations: Promising Innovation or Passing Fad", Conference, Ontario Secondary School Teachers' Federation, Coburg, Ontario, November, 1970.
- Milburn, G. "Models in the Curriculum", Conference, Ontario Secondary School Teachers' Federation, Scarborough, Ontario, February, 1971.

Department of History of Education

- Hamilton, W. B. "Education in Post-Confederation Ontario", London Teachers' College, London, Ontario, May, 1971.
- Hamilton, W. B. and Ray, D. W. "Comparative Education in Teacher Education", First World Congress of Comparative Education Societies, Ottawa, Ontario, August, 1970.  
(Written by Professor Ray and presented by Professor Hamilton)
- Purdy, J. D. "New Interpretations of John Strachan", Conference of Ontario History Teachers, U.W.O., London, Ontario, February, 1971.
- Radcliffe, J. D. "Educational Barriers to Development", Ontario History Teachers' Conference, U.W.O., London, Ontario, February, 1971.
- Ray, D. W. "Internationalism in the Curriculum", Ontario History Teachers' Conference, U.W.O., London, Ontario, February, 1971.
- Stevenson, H. A. "Education for Tomorrow: Environmental Concerns", 14th Annual Convention, Ontario Provincial Federation of the Council for Exceptional Children, Toronto, Ontario, November, 1970.
- Stevenson, H. A. "Contemporary Education and Technology", Radio Station CJOE, London, Ontario, February, 1971.
- Stevenson, H. A. "Coping with Educational Change", Fanshaw College, London, Ontario, April, 1971.

Department of Mathematics

- Harris, A. W. "The Role of the Principal in Curriculum Revision", National Council of Teachers of Mathematics, Winnipeg, Manitoba, October, 1970.

Department of Music

- Woodburn, D. "Diction" (Workshop), Ontario Music Educators Association, London, Ontario, October, 1970.

Department of Philosophy

- Burke, D. R. "Sartre's Theory of Freedom: A Re-examination", Philosophy Department, Brock University, St. Catharines, Ontario, February, 1971.

Department of Psychology

- Blue, A. W. "Indian Concepts in Reading Education", York University "Reading '71" Conference, Toronto, Ontario, February, 1971.
- McMurray, J. G. "Significant Current Research in the Psychology of Reading", York University "Reading '71" Conference, Toronto, Ontario, February, 1971.
- Slemon, A. G. "Administration and Evaluating Student Assignments", Woodstock School of Nursing, Woodstock, Ontario, December, 1970.
- Slemon, A. G. "Establishment of Technical Ensembles for sequence Design and Production", IFIP World Conference on Computer Education, Amsterdam, Holland, August, 1970.
- Slemon, A. G. "Priorities for the Early Seventies", Presidential Address, Ontario Psychological Association, Toronto, Ontario, February, 1971.

SCHOOL OF LIBRARY AND INFORMATION SCIENCE

- Bird, D. A. "Research Methods in Canadian Glass History", Seminar on Canadian Glass History, McMaster University, Hamilton, Ontario, June, 1971.
- Cameron, W. J. "The Stuart Collection of Milton and Miltoniana", Department of English, McGill University, Montreal, P.Q., November, 1970.
- Hotimsky, C. M. "The Book in Russia prior to the introduction of Printing", American Association for the Advancement of Slavic Studies, Northeastern Slavic Conference, Montreal, P.Q., May, 1971.
- Hotimsky, C. M. "Slavic and East European Publishing and Distribution: Problems and Prospects", American Association for the Advancement of Slavic Studies, Northeastern Slavic Conference, Montreal, P.Q., May, 1971.
- Strathern, G. M. "Archives and Archivists and their Relevance to Ontario Public Libraries Today" Colloquium, Lake Erie Regional Section, Public and Regional Libraries Section, Ontario Library Association, October, 1970.

GENERAL

- Williams, D. C. "Education Today: How Best to Lead?", The Ontario Secondary School Headmasters' Council Provincial Conference, Ottawa, February, 1971.

APPENDIX D

SCHEDULE OF RESEARCH GRANTS



SCHEDULE OF RESEARCH GRANTS

For the Year Ended June 30, 1971

FACULTY OF ARTS

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
I. Avotins	U.W.O.	Research on Philostratus.
M.E. Carbone	U.W.O.	Research on the Julio-Claudian Period of Roman History and Literature.
N.B. Crowther	U.W.O.	Research on Catullus.
D.E. Gerber	U.W.O.	Research on Pindar.
A.R. Littlewood	U.W.O.	Byzantine Studies.
D. Stanley-Porter	U.W.O.	Research Euripedes.
H.B. Timothy	U.W.O.	Research on Seneca.
	U.W.O.	Research on John Galt.
<u>ENGLISH</u>		
W.E.D. Atkinson	U.W.O.	Research on Jonson and Shakespeare.
R. Bates	U.W.O.	A Study of Some Chronological Regional and Thematic Aspects of Canadian Literature.
E. Bieman	U.W.O.	The Circuit of Love.
A. Bolgan	U.W.O.	Eliot Research Library.
D.F. Chapin	U.W.O.	English and Scottish Poetry of the Later Middle Ages.
T.J. Collins	U.W.O.	Proofreading Galleys for Edition of Browning-Tennyson Letters.
A.B. Conron	U.W.O.	Contemporary Commonwealth Writers.
E.J. Devereux	U.W.O.	A Biography and Bibliography of John Rastell.
S.L. Dragland	U.W.O.	The Poetics of Duncan Campbell Scott.
P.D. Fleck	U.W.O.	The literary relationships between the Shelleys and Byron.
D. Goerge	U.W.O.	English Theatre 1576-1642.
I. Gordon	U.W.O.	Edition of two eighteenth century pamphlets to be published by the Augustan Reprint Society.
J.W. Graham	Canada Council	Preparation for publication of a transcription of the complete extant manuscript of The Waves by Virginia Woolf.
	U.W.O.	Edition of The Manuscript of The Waves.
D.S. Hair	U.W.O.	Domestic Imagery in Early Victorian Poetry.
D. Hensley	U.W.O.	Structure as Myth.
A.K. Hieatt	U.W.O.	Research for Article Renaissance Periodical.
C. Hieatt	Canada Council	Translation of Part IV of the Old Norse Karlamagnus saga.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
C. Hieatt	U.W.O.	Further work on Translation of Karlamagnus Saga.
D. Kaula	U.W.O.	Shakespeare and the Archpriest Controversy.
C.F. Klinck	U.W.O.	Early Canadian Writers.
G.D. Parker	U.W.O.	The "anti-literary" theatre and the relation between the idea of tragedy and revolution.
B. Rajan	U.W.O.	Further Studies in Milton and in Yeats.
G. Rans	U.W.O.	Collected Writings of Whitman.
J. Reaney	U.W.O.	Annals of the Huron District.
J.A.B. Somerset	U.W.O.	Tudor Moralities and Interludes.
A. Straulman	U.W.O.	Male Chauvinism in Fielding's <u>Amelia</u> .
L. Surette	U.W.O.	Annotation of Ezra Pound's Cantos.
H.R. Wilson	Canada Council	Maritimes Dialect Survey.
	U.W.O.	Studies in English Linguistics.
R.G. Woodman	U.W.O.	The Romantics as Critics of Each Other.
<u>FINE ART</u>		
B. Bonario	U.W.O.	Early 16th Century Venetian Painting.
W.S. Dale	U.W.O.	A Study of Exeter Cathedral.
R. Fenwick	U.W.O.	Etching - Lithography Study.
W.S. Hart	U.W.O.	Murals at Go-Home Bay.
A.M. Urquhart	U.W.O.	Still Photography - Recording & Experimental.
<u>FRENCH</u>		
J. Andrieu	U.W.O.	L'expression littéraire de l'énergie féminine dans les roman de Stendhal.
I. Arnold	U.W.O.	Style studies in the work of Villiers de l'Isle-Adam.
F. Atance	U.W.O.	Marguerite de Navarre et Luther.
D. Baguley	U.W.O.	The work of Emile Zola and George Moore.
M.L. Balse	U.W.O.	Some Practitioners of the theatre in 29th century France.
C. Barbier	U.W.O.	Preparation of (1) Mallasmi: Documents, Vol IV, (2) Critical Edition of Mallasmi's Poeme.
C. Bowker	U.W.O.	The Structure of Myth and Theme of the Quest in Works of Henri Bosco, Jean Gions and Julien Gracq.
J.P. Brunet	U.W.O.	Exoticism in 19th Century Travel Literature.
W.S. Bush	U.W.O.	A book on Bernanos' second creation period (1930-48).
	U.W.O.	A book on Baudelaire's intellectual evolution.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
J. Cameron	U.W.O.	La Princesse de Cleves.
L. Forsyth	U.W.O.	French 20th Century Poetry: Criticism and Creation.
D. Guestault	U.W.O.	Le Feminism dans l'oeuvre de Simone de Beauvoir.
L. Heller	U.W.O.	Dix annees de bibliographie pascalienne 1960-1969.
G. Holmes	U.W.O.	Melancholic Hero (1916-1945).
D.F. Jones	U.W.O.	Jean Galbert de Campistron.
T.N. Ly	U.W.O.	Index des noms d'auteurs et d'articles sur G. Bernanos--Recherches claudeliennes.
M.H. Ross	U.W.O.	L'engagement politique (la politisation) due roman francais depuis (le nouveau roman).
J.B. Sanders	U.W.O.	Antoine A l'odeon (1906-14).
A.C. Saraydar	U.W.O.	Le Conception Proustienne de l'amour.
M.C. Smith	U.W.O.	An Analysis of Studies Bearing on Ronsard's Discours des Miseres.
C. Venesoen	U.W.O.	Le mouvement livertin du XVIIe siecle.
R.L. Walters	U.W.O.	Critical edition of Voltaire's scientific writing.
D. Westgate	U.W.O.	The Tragedies of Tristan L'Hermite The Augustinianism of La Rochefoucauld.
<u>GERMAN</u>		
A. Anderson	U.W.O.	Friedrich Spielhagen's Problematic Heroes.
B. Beutler	U.W.O.	Studies in the 20th Century German and Canadian Novel (the urban scene).
R. Immerwahr	U.W.O.	The Word Romantic.
R. Purekevich	U.W.O.	Biologische Elemente Im Werke Gottfried Benns.
H.J. Schlutter	U.W.O.	Sonnet (Realienbucher for Germanists) of German Lyric Publications (1945-1970).
G.H. Seufert	U.W.O.	Medieval German and Provencal Love-Poetry.
H. Spencer	U.W.O.	Studies on Heinrich Heine.
G.L. Tracy	Canada Council	The dramatic theory and practice of Richard Wagner and Bertolt Brecht.
	U.W.O.	Dramatic Theory and Practice of Wagner and Brecht.
<u>PHILOSOPHY</u>		
E. Beaman	U.W.O.	The Concept of a Person in the Scientific World Image.
R.W. Binkley	U.W.O.	Philosophical Applications of Modal Logic.
I. Block	U.W.O.	Method in Aristotle.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
R.N. Bronaugh	U.W.O.	Research in Law and Ethics.
R.E. Butts	U.W.O.	Kant's Philosophy of Science.
J.W. Davis	U.W.O.	Berkeley's Design.
B. Freed	U.W.O.	Reference, Descriptions and Knowledge.
W. Harper	U.W.O.	Kant's Second Analogy.
D.J. Hockney	U.W.O.	Theory of Translation.
C. Hooker	U.W.O.	Foundations and Interpretation of Quantum Theory.
A.H. Johnson	U.W.O.	Experiential Realism.
H.J. Johnson	U.W.O.	The Role of Convention in the Natural and Civil Philosophy of Hobbes.
J.J. Leach	U.W.O.	Objective Historical Knowledge.
A. Marras	Canada Council	The Medieval Roots of the Concept of Intentionality.
	U.W.O.	Thought and Language.
P. Maynard	U.W.O.	Symbol Systems.
R.G. Muehlmann	Canada Council	An examination of the correspondence of H. A. Prichard.
	U.W.O.	Berkeley, Prichard and the History of Philosophy.
G. Pearce	U.W.O.	Conceivability in Modal Logic.
R. Rudner	U.W.O.	Henry Leonard's Posthumus Papers.
M.E. Williams	U.W.O.	The Nature of Paradox.
<u>RUSSIAN STUDIES</u>		
N. Bernotas	U.W.O.	The Trends Toward Modernism in the Dramatic Art of the U.S.S.R. from the Revolution to World War II.
G. Eramian	U.W.O.	1. English Words in Mayakovsky. 2. Translation of O. P. Rassudova: Upotreblenie vidov glagoa v ruskom jazkye.
R. Neuhauser	U.W.O.	Preromantic Literature in Russia.
R. Piontkovsky	Canada Council	A study of Doukhobor folklore in Canada.
	U.W.O.	Doukhobor Oral Literature - A Study of its Nature and Evolution.
<u>SPANISH AND ITALIAN</u>		
J. Asensio	U.W.O.	Bibliografia del Siglo XVIII.
R. Belladonna	U.W.O.	The Institution Morale of Alessandro Piccolomini: A Study of its Two Editions (1542; 1560).
M.V. Brizio	U.W.O.	The Heritage of the Commedia dell'Arte in the Itinerant Troups in Italy.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
W. Burghardt	U.W.O.	Contemporary Latin American Novel.
W. Flint	U.W.O.	Minor Figures of the Generation of 1898: Painters and Writers.
J. Lopez Pacheco	U.W.O.	Influence of Antonio Machado on post Civil War Spanish Poetry.

#### FACULTY OF SCIENCE

##### APPLIED MATHEMATICS

S.C.R. Dennis	National Research Council	Numerical Solutions of the Navier-Stokes Equations.
P.J. Digby	National Research Council	The Theory of Fracture Initiation and Propagation.
J.B. Ehrman	National Research Council	"Electron Ring Accelerator (ERA) with Time-Independent External Magnetic Field: Equilibria and Stability of Rotating Sleeve, Transition, and Ring Regimes.
P.A. Fraser	National Research Council	Theoretical Studies in Atomic Collisions.
R. Migneron	National Research Council	Veneziano $B_4$ and $B_5$ Functions For $\bar{p}n \rightarrow 3\pi$ .
I.A. Sakmar	National Research Council	Regge Poles and High Energy Scattering.
P.J. Sullivan	National Research Council	Dispersion Within a Turbulent Sheer Flow.
M. Zamir	National Research Council	Investigation of a Three-dimensional Boundary Layer Problem and an Attempt to Formulate a Three-dimensional Boundary Layer Theory.

##### ASTRONOMY

J.D. Landstreet	National Research Council	Studies of Stellar Polarization and Magnetism.
J.N. Marlborough	National Research Council	The Structure and Evolution of Circumstellar Shells Surrounding Early-type Stars.
R. Mitalas	National Research Council	Numerical Study of the Evolution of Globular Clusters to Explain the Observed Gaps in the Color Magnitude Diagrams.
J. Moorhead	National Research Council	Acquiring and Interpreting Spectrograms of Variable Stars in Globular Clusters.
A. Wehlau	National Research Council	A Study of Variable Stars and Globular Clusters, Including Measures of Their Colors, Magnitudes, and Determination of Their Periods and Changes in Their Periods and Their Relationship to Predictions Derived from the Theory of Stellar Evolution.
W. Wehlau	National Research Council	Optical Astronomy Research.

##### CHEMISTRY

A.R. Allnatt	National Research Council	Thermal Diffusion and Electrical Properties of Crystals. Statistical Mechanics of Defects in Solids and of Simple Fluids.
D.R. Arnold	National Research Council	Characterization of a 1,3-diradicals and 1,3-dipoles.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
D.R. Arnold	National Research Council	Photoenolization of heterocyclic Carbonyl Compounds.
	National Research Council	Photo- and Thermal Cycloaddition Reactions.
G.M. Bancroft	National Research Council	Mossbauer Spectroscopic Studies of: Thermal and Radiolytic Decomposition of Iron Complexes; Preparation, Structure and Bonding in Fe(II) low Spin Complexes, Analytical Determination of Mossbauer Hyperfine Parameters: Structure, Bonding and Fe Site Populations in Silicate Minerals Including Moon Material.
D.R. Bidinosti	National Research Council	Some Chemical Applications of Mass Spectrometry.
J.R. Bolton	National Research Council	Electron Spin Resonance Studies of Light-Induced Free Radicals.
	Petroleum Research Fund A.C.S.	Flash Photolysis - ESR.
J.C.D. Brand	National Research Council	Refinement of Physical Constants.
	National Research Council	Computer-Simulated Band Contours.
R.K. Chan	National Research Council	The Study of Phase Transitions in Molecular Solids by Means of the Pressure and Temperature Dependence of Dielectric Properties, and by Differential Thermal Analysis.
	National Research Council	A Series of Air-Pollution Abatement Studies With a Particular Emphasis on SO <sub>2</sub> Limestones/Dolomite Reaction Using Thermogravimetric Techniques.
H.C. Clark	National Research Council	Studies of Organometallic and Co-ordination Compounds.
P. De Mayo	National Research Council	Photochemistry.
	National Institute of Health	Primycin.
C.P. Demas	National Research Council	Synthesis of Metalloxane-Siloxanes by Means of Reactions of Silane-Diols with the Appropriate Metal Alkoxide and Separate the Cyclic Polydiethylsiloxanes Produced by the Disproportionation of the Polymeric Products.
D.M. Graham	National Research Council	Kinetics of the Reactions of Atoms and Free Radicals.
	National Research Council	Mechanism of Energy Transfer and Photosensitization by Excited Atoms.
J.P. Guthrie	National Research Council	Models for the Enzyme Substrate Complex.
	National Research Council	Activesite Directed Reagents for Citrate Synthase.
R.A. Haines	National Research Council	Structure and Stereochemistry of Metal Complexes.
D.H. Hunter	National Research Council	ElcB Reactions - A Study Continued on the Role of Counterions in Determining the Stereochemistry of Elimination Reactions of Methoxide Involving Carbanionic Intermediates.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
D.H. Hunter	National Research Council	2,4-Diazapentadienyl Anions - The Mechanism and Synthetic Applications of the Reactions of Hydrobenzamide have been studied. The base-catalyzed Cyclization and Allylic Isomerization were Investigated and the Reactive Intermediates Characterized.
P.W.M. Jacobs	Defense Research Board	Reaction of Simple Fuels with Perchloric Acid.
	National Research Council	Ionic Transport in Silver Chloride Thermo-electric Power of Silver Chloride.
	National Research Council	Effect of Dislocations on Ionic Conductivity of Calcium Fluoride.
	National Research Council	Absorption and Luminescence Spectra of $Pb^{2+}$ -doped KBr.
	National Research Council	The B-band in $Tl^{+}$ -doped KBr.
	National Research Council	Electron-phonon Interactions in Alkali Halide Crystals.
	National Research Council	Electrical Conductivity and Thermal Decomposition of Ammonium Perchlorate.
R.G. Kidd	National Research Council	NMR Spectroscopy of Metal Compounds.
J.W. Lorimer	National Research Council	Transport and Equilibrium Processes in Membranes and Liquids.
	National Research Council	Thermal Diffusion in Ion-Selective Membranes.
W.J. Meath	National Research Council	Development of a New Perturbation Theory for the Calculation of Intermediate Range Intermolecular Forces for Ground and Excited State Interactions.
	National Research Council	Calculation of the Intermolecular Forces Between $NH_3$ and $HCl$ as a Function of Intermolecular Distance and Relative Orientation.
	National Research Council	Calculation of Properties Other Than Energy for Molecules and Atoms.
	National Research Council	Molecular Orbital Calculations: Both "ab initio" and semiempirical structure of Molecules and Ions, Especially for the Excited States of Organic Molecules.
	National Research Council	X-ray Structural Determinations of Absolute Configurations of Optically Active Transition Metal Complexes.
N.C. Payne	National Research Council	X-ray Structural Determinations of Organometallic Complexes of Catalytic Importance.
	National Research Council	X-ray Structural Determinations of Organometallic Complexes of Catalytic Importance.
J.B. Stothers	National Research Council	Investigation of Applications of High-resolution $^1H$ and $^{13}C$ NMR Spectroscopic Techniques to Structural, Stereochemical and Mechanistic Problems.
E.W. Warnhoff	National Research Council	Mechanistic Changes in Favorskii Reactions.
	National Research Council	The Synthesis of Dihydroeanothine B.
	National Research Council	The Stereochemistry of Halogenation of Certain Cyclohexanone Derivatives.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
E.W. Warnhoff	National Research Council	The attempted Generation of Carbenes from $\alpha$ -acyloxyketones.
	National Research Council	The lead tetraacetate Oxidation of Tricyclene.
	National Research Council	Rearrangements of $\alpha$ -acyloxyketones.
	National Research Council	The Dehydrohalogenation-aromatization of Certain Halosteroids.
	National Research Council	The Attempted Alkylation of Enol Esters.
	National Research Council	Oxidation Products of Indoles.
P.R. Warnhoff	National Research Council	Study of the Nature of Products and Mechanism of Rearrangement of Steroidal Derivatives.
C.J. Willis	National Research Council	Studies on Fluorinated Ligand Systems.
	National Research Council	Application of Raman Spectroscopy to the Study of Chemical Systems.
<u>COMPUTER SCIENCE</u>		
J.M. Bennett	IBM Canada	Portable Extensible Fortran.
J.M. Carroll	National Research Council	Automatic Indexing by Statistical Modelling.
	Canada Council	Privacy and the Computer.
	Defence Research Board	Security Considerations in Real-Time Computer Systems.
	Department of Communications	Privacy and the Computer.
A.K. Dewdney	National Research Council	Design for Robot.
C.B. Dunham	National Research Council	Algorithms for Chebyshev Approximation.
I. Gargantini	National Research Council	Accelerating Convergence Procedures for Room Searching Routines: Tests on PDP 10 (Single Precision) and IBM 360/65 (Long Precision). Theoretical Study of Rounding Error Propagation and its Inclusion in a General Program.
	National Research Council	Circular Arithmetic and its Operations in the Complex Plane: Applications to the Determination of Zeros of Entire Functions.
K. Langland	Education Research Foundation of Middlesex	Design and Implementation of Retrieval Systems for Statutory Law Text.
J.K. Mullin	National Research Council	Specification and Extension of Data Structures.
R. Newkirk	Ontario Department of University Affairs	A Study of the Need for External Criteria in Learner Controlled Computer Assisted Instruction.
<u>GEOLOGY</u>		
W.R. Church	National Research Council	Geology of N.E. Newfoundland and the West of Ireland: Eclogites and Ultrabasic Rocks.
	Department of University Affairs	Stratigraphy and Structure of Proterozoic Rocks of Ontario.



<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
A. Dreimanis	National Research Council	Studies of the Wisconsin Ice Age Deposits in Southern and Central Ontario and South-eastern Manitoba: Investigations of Stratigraphy, Sedimentation Processes, and Methods Suitable for Regional Correlations.
A. Dreimanis	Geological Survey of Canada and a private company	Last Ice Age Deposits in British Columbia, New York and Newfoundland.
A.D. Edgar	National Research Council	Experimental Studies of Igneous Rocks and Minerals.
	Geological Survey of Canada	Geochemistry of the Montgary, Manitoba and Related Rare Element Pegmatites.
R.W. Hodder	National Research Council	Determination of Economic Potential of Copper Deposits Using Volcanic-Plutonic Relationships in the Host Rocks.
R.W. Hutchinson	Callahan Grant	Statistical Study of Geochemical Exploration Data.
	National Research Council	Origin of Sulphide Ore Deposits.
	National Research Council	Metallogenetic Studies.
	AMAX Grant	Metamorphism of Sulphide Ores at Manitouwadge.
	OPEMISKA Grant	Origin of the Opemiska Orebody.
	ANACONDA Grant	Archean Volcanism at Noranda, Quebec.
	NATO	Metallogeny of Turkish Sulphide Ores.
	Geological Survey of Canada	Metamorphism at Geco.
A.C. Lenz	National Research Council	Upper Silurian and Lower Devonian Brachiopods of Northern Yukon.
	National Research Council	Upper Silurian and Lower Devonian Graptolites of the Canadian Cordillera and of the Gaspé Region.
	National Research Council	Lower Paleozoic Geologic History of Northern Yukon and Adjacent NWT.
	National Research Council	Lower and Middle Devonian Faunas of Northern Yukon.
N.D. MacRae	National Research Council	Geochemical Relations of Sulfide-Silicate-Oxide Assemblages.
J. Starkey	National Research Council	The Development and Application of X-ray Diffraction Techniques to the Study of Crystal Orientations in Deformed Rocks (Petrofabric Analysis) and to the Spatial Distribution of Crystals with Specific Orientations in Rocks (Axial Distribution Analysis).
	National Research Council	Determination of the Crystal Studies of Plagioclase Feldspars.
P.G. Sutterlin	National Research Council and Geological Survey of Canada	Computer Data Storage and Retrieval.
	National Research Council	Geological Data Analysis.
C.G. Winder	National Research Council	The Paleozoic Geology of Southern Ontario with major Emphasis on the Outcrop Areas of the Middle Ordovician.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
G.M. Young	National Research Council	Stratigraphic and Sedimentological Analysis of Huronian Supracrustal Rocks of the Great Lakes Region.
	National Research Council and Geological Survey of Canada	Sedimentology of the Chibougamau Formation, Quebec.
	National Research Council and Geological Survey of Canada	Hadrynian Rocks of Banks and Victoria Islands.
<u>GEOPHYSICS</u>		
A.E. Beck	National Research Council	Geothermal Investigations.
	Geological Survey of Canada	Disequilibrium Studies of Radioactive Series in Rocks.
	Standard Oil (Indiana) Foundation, Inc. via AMOCO Canada Petroleum Co., Ltd.	Special Research Travel Grant.
	Mobil Oil Canada, Ltd.	Special Research Travel Grant.
C.M. Carmichael	National Research Council	Geomagnetism, Age Determinations and Isotope Studies.
	Geological Survey of Canada	K A Isochron Studies.
L. Mansinha	National Research Council	Chandler Wobble Studies.
R.F. Mereu	National Research Council	Deep and Shallow Crustal Sounding.
	Geological Survey of Canada	Seismic Studies of the Upper Crust from Quarry Blasts.
H.C. Palmer	National Research Council	Paleomagnetic Studies of Canadian and South American Rock Units.
H.H. Schloessin	National Research Council	Physical Properties of Earth Materials at High Pressures and Temperatures.
	Geological Survey of Canada	Mechanism of Polymorphic Transitions in Enstatite and Effects on its Thermal Properties.
<u>MATHEMATICS</u>		
M.M. Ali	National Research Council	Statistical Inference.
R.G. Biggs	National Research Council	Generalizations of Factorization.
D. Borwein	National Research Council	Summability of Series and Integrals.
R.N. Bryan	National Research Council	A Linear Differential System With Boundary and Interface Conditions.
F.P.A. Cass	National Research Council	Summability of Series and Integrals.
L.K. Chan	National Research Council	Estimation Based on Type 1 Censored Samples.
	National Research Council	Exact Distribution of the Best Linear Unbiased Estimates by Monte Carlo Methods.
	National Research Council	Projection of University Students.
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>
J.B. Florence	National Research Council	Constructive Analysis.
M.S. Haq	National Research Council	Structural Inference.
A.G. Heinicke	National Research Council	Torsion Theories for Modules.
C.B. Miller	National Research Council	Topologies on Locally Compact Groups.
P. Milnes	National Research Council	Compactifications of Semitopological Semigroups.
C.M. Reis	National Research Council	Automorphisms of Finite P-Groups and Structure of Finite P-Groups.
B.L.R. Sawyer	National Research Council	Summability of Series and Integrals.
R.R.E. Strube	National Research Council	Non-Simply Connected Surgery Obstructions.
G. Thierrin	National Research Council	Theory of Automata and Languages.
T.H. Wonnacott	National Research Council	Statistical Analysis of Multiple Regression Equations.
<u>PHYSICS</u>		
Y.F. Bow	National Research Council	Theoretical Study on Collective Excitations and Electromagnetic Transitions of Nuclei.
E. Brannen	National Research Council	Submillimeter Radiation Research with a Racetrack Microtron and Gas Laser.
	Defence Research Board	Submillimeter Laser Research.
P.M. Chefurka	Canada Department of Agriculture	Interaction of Phospholipids with Lipophilic Pesticide Chemicals in Monomolecular Films.
H.I.S. Ferguson	National Research Council	Ion Beam Spectroscopy of Gases and Solids.
P.A. Forsyth	Defence Research Board	VHF Radio Wave Scattering in The Ionosphere.
	National Research Council	Rocket Satellite and Radar Studies of Ionospheric Irregularities.
	Department of Transport	Meteor Work.
H.R. Froelich	Atomic Energy of Canada Limited	Microtron Project
J.A. Fulford	National Research Council	Drifts, Motions and Wave Motions in the Upper Atmosphere and Apparent Positions and Motions of Radio Sources in the Solar Atmosphere.
T.D. Gaily	National Research Council	Electron Detachment from $H^+$ Using Merged Electron-ion Apparatus.
D.F. Gallaher	National Research Council	Theoretical Atomic Collision Studies.
D.R. Hay	National Research Council	Laser Probing of the Lower Atmosphere.
	Canadian Meteorological Service	Micrometeorology of the Outer Layer of Frictional Influence.
	Defence Research Board	Physics of the Troposphere as Related to UHF Radio Transmission.
	Department of University Affairs	Aerosols and Gaseous Pollutants in the Lower Atmosphere.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
W.R. Jarmain	National Research Council	Theoretical Studies of Diatomic Band and Continual Intensities.
P.K. John	National Research Council	Laser Interaction with Plasmas.
J. Jones	National Research Council	The Investigation of (a) the mass Distribution of Sporadic and Shower Meteoroids and (b) the Light Curves of Very Faint Meteors.
D.R. Lane-Smith	National Research Council	The Generation and Transportation of Space Charge.
R.P. Lowe	Defence Research Board	Infrared Airglow Studies.
	National Research Council	Excitation in Ion Molecule Collisions.
G.F. Lyon	National Research Council	Radio Studies of Ionospheric Structure.
	Defence Research Board	Ionospheric Studies Using Satellites.
J.W. McGowan	National Research Council	Atomic and Molecular Collision Physics.
	National Aeronotic and Space Administration	Positron Scattering From Solids.
	National Aeronotic and Space Administration	Positron Scattering From Gases.
	Research Corporation Grant	Laser Irradiation of Fish Eyes.
	Research Corporation Grant Veeco Grant	Sight for the Blind.
	Atomic Energy of Canada Limited	Use of the Racetrack Microtron for Radiotherapy and Non-destructive Materials Analysis.
	National Bureau of Standards	The Role of the Excited State in Chemical Physics (Book).
D.R. Moorcroft	National Research Council	Studies of Ionospheric Structure.
	National Research Council	Feasibility Study on Canadian Participation in a New Upper Atmosphere Observatory.
R.C. Murty	Department of Transport	Lightning Detection Studies.
S.D. Rosner	National Research Council	Molecular Beam Studies of Chemical Reactions and Molecular Structure.
B.Y. Tong	National Research Council	Inhomogeneous Electron Gas, Compressibility of Sodium, Knight-shift in Sodium, Surface Work Function, Helix-coil Transition in DNA Molecules.
	Research Corporation	Knight Shift Calculation in Sodium Metal.
J. Tunaley	National Research Council	The photoelectric Sheath in a Tenuous Plasma.
	National Research Council	The Contaminated Langmuir Probe.
E.L. Vogan	National Research Council	Rocket and Associated Studies of the Lower Atmosphere.
P.W. Whippey	National Research Council	Luminescence and Thermoluminescence in Rare Earth Doped Calcium Fluoride.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
<u>PLANT SCIENCES</u>		
P.B. Cavers	Canada Department of Agriculture	The Comparative Biology of Closely Related Weed Species.
	National Research Council	The Biology of Weeds.
	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	The Occurrence and Properties of Malate Dehydrogenase in Maize.
B.G. Cumming	National Research Council	Rhythmic Processes and the Control of Germination, Growth and Flowering.
A.W. Day	National Research Council	Nuclear Behaviour in Somatic Cells of <u>Ustilago Violacea</u> .
M.D. Fahselt	National Research Council	Analysis of Secondary Plant Substances in <u>Dicentra</u> .
R.I. Greyson	National Research Council	Experimental Studies on Flower Development.
C.J. Hickman	National Research Council	Studies of the Biology and Taxonomy of Plant Pathogenic Fungi, Particularly <u>Phycomycetes</u> .
W.G. Hopkins	National Research Council	Phytochrome Control of Cellular Enlargement.
R.C. Jancey	National Research Council	Numerical Techniques in Plant Taxonomy.
W.E. McKeen	National Research Council	Ultrastructure and Host-Parasite Studies.
D.A. McLarty	Canadian National Sportsmen's Show	To Promote Algae Studies.
	Department of Energy, Mines and Resources	Algae Nutritional Requirements as a Means of Assessment and Control of Artificial Eutrophication.
L. Orloci	National Research Council	Theory and Methodology of Data Analysis in Phytosociology, Statistical Ecology and Systematics of Plant Populations, and The Studies of Plant Communities and their Environment.
J.B. Phipps	National Research Council	Studies in the Theory and Methodology of Systematics.
R.B. Van Huystee	National Research Council	Role of Proteases in Plants.
D.B. Walden	National Research Council	Cytogenetic Studies in <u>Zea Mays</u> L.
A.M. Wellman	National Research Council	Growth of Fungi Before and After Cryogenic Storage.
D.G. Wilson	Department of University Affairs	Degradation of Lignin by <u>Aspergillus Ustus</u> .
<u>ZOOLOGY</u>		
H.I. Battle	National Research Council	Embryonic Responses of Teleosts to Selected Protein and Nucleic Acid Inhibitors.
T.K.R. Bourns	National Research Council	Host-parasite Relations of Trematodes in Ontario.
J.A. George	Defence Research Board	Control of Cluster Flies.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
W.N. Holsworth	Canadian Wildlife Service	Mercury Uses in Canada and Their Effects on Wildlife.
	National Parks Service	The Effects of Habitat Distribution on the Distribution of the White Tailed Deer in Point Pelee National Park.
C.D. MacInnes	National Research Council Canadian Wildlife Service	Quantitative Study of the Ecology of Canada Geese and Other Bird Species Nesting Near the Mouth of the McConnell River, N.W.T.
D.B. McMillan	National Research Council	Studies in Comparative Histology and Ultra-structure.
R.K. Misra	National Research Council	Genetic Aspects of Variations Among Animal Populations.
	Canadian Mathematical Congress	Research at Summer Research Institute, Department of Mathematics, Queen's University.
D.M. Ogilvie	National Research Council	Environmental Chemicals and Animal Behaviour.
M.D. Owen	National Research Council	Physiology of Invertebrate Venom Systems.
R.J. Planck	National Research Council	The Role of Extra-retinal Photoreception on Photoperiodism in Birds.
J. Purko	Canadian National Sportsmen's Show	Integrity and Role of the Chorion in Trout Development.
R.R. Shivers	National Research Council	Further Studies on the Fine Structure of the Blood-brain Barrier in Crustacean Central Nervous Tissue.
J.E. Steele	National Research Council	Regulatory Mechanisms in Insect Metabolism and Development.

FACULTY OF SOCIAL SCIENCE

ECONOMICS

R.Y.M. Andrieu	U.W.O.	Static and Dynamic Aspects of Profit Maximization for a Monopoly.
K.L. Avio	U.W.O.	Endogenous Population Growth and the Lifetime Allocation Model.
R.W. Baguley	U.W.O.	Monetary Policy in an Open Canadian Economy.
R.N. Batra	U.W.O.	Factor Market Imperfections and International Trade.
H.E. Baumann	U.W.O.	The Diffusion of Technology and Canada's Competitiveness in International Trade.
K.B. Bhatia	Canada Council	Capital Gains, their income distribution and effects on personal income and saving in the United States.
	U.W.O.	An Econometric Explanation for the Industrial Revolution in England.
R.G. Bodkin	Canada Council	A Set of Additively Consistent Consumption Category Relationships.
	U.W.O.	Miscellaneous Quantitative Studies.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
R.S. Boyer	U.W.O.	Topics in Domestic and International Money.
T.M. Brown	Canada Council	The U.W.O. Monte Carlo Project.
	U.W.O.	Approximate Formulas for Small Sample Covariance Matrix of Parameter Estimates.
D.F. Burgess	U.W.O.	A General Equilibrium Econometric Model of International Capital Movements.
K.H. Burley	Canada Council	Canada's overseas shipping services.
	U.W.O.	Canada's Overseas Shipping Service and the Impact of Technology in Ocean Transport.
C.S. Clark	U.W.O.	Labour Hoarding.
T.J. Courchene	Canada Council	Domestic and International Money: An Empirical Investigation.
	U.W.O.	Regional Economic Adjustment in Canada.
T.J.O. Dick	Canada Council	The economic theory of technological change. Patenting and Technological Change.
J. Fried	U.W.O.	Money, Prices and Exchange.
S.J. Friedberg	U.W.O.	Intracity Migration.
F.D. Gately	U.W.O.	Investment Planning for the Electric Power Industry: An Integer Programming Approach (With Application to India).
H.T. Johnson	Canada Council	Cost Determination in Large-Scale American Industrial Firms, 1880-1920.
	U.W.O.	Cost Determination in North American Industrial Firms, 1880-1925.
J.M. Jondrow	U.W.O.	The Economics of the 1962 Kefauver-Harris Drug Amendments.
K.R. Kadiyala	National Research Council	Prediction in the presence of disturbances whose moments do not exist.
E.J.D. Ketchum	U.W.O.	Man-hour Behaviour in Canadian Manufacturing Industries.
P.G. Kirkham	U.W.O.	Cost of Capital.
L.A. Kochin	U.W.O.	Market Revealed Expectations.
J.D. May	U.W.O.	Cost of Funds in Canadian Manufacturing.
J.R. Melvin	Canada Council	Studies in the theory of international trade.
	U.W.O.	Taxation in a Three-Good, Two-Factor Model.
L. Parai	Canada Council	A comparative study of some economic aspects of post-war international immigration to Canada and Australia.
	Department of Labour	A study in short-term fluctuations in Canadian international migration, 1964-65.
C.G. Plourde	U.W.O.	The Economics Theory of Conservation of Natural Resources.
V.S. Rao	U.W.O.	Research in International Trade Theory.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
G.L. Reuber	Canada Council	To continue quantitative studies in Canadian Economic Policy.
	Canadian International Development Agency	Twinning arrangement between the University of Ghana and The University of Western Ontario to develop the Department of Economics at the University of Ghana.
	Canadian International Development Agency	Ghana Project Economic Development Workshop.
P.N. Roy	U.W.O.	Capital Flows and Stabilization Policy.
E. Saraydar	U.W.O.	Subsidies and Risk: The Case of the Canadian Pacific.
M. Schmundt	U.W.O.	The Effects of Tax Harmonitation and Border Tax Arrangements on Some Key Variables.
J.E. Tanner	U.W.O.	Shifting of the Corporate Income Tax.
Y. Toda	Canada Council	Comparison of consumption and productive efficiency.
	U.W.O.	International Comparisons of Consumption Levels and Production Efficiencies.
P. Tomlinson	U.W.O.	Extended Study Taxes, the Lindahl Solution and Public Goods.
T.J. Valentine	U.W.O.	Econometric Analysis of the Australian Monetary Sector.
R.J. Wonnacott	U.W.O.	Examination of the Various Forms of Multicollinary in Systems Estimation.
	University Research Council	Computer Services Award.
<u>GEOGRAPHY</u>		
W. Bunge	U.W.O.	Publication of Field Research of the Geographical Expedition and Institute.
J.C. Day	Department of Fisheries and Forestry	Multiple purpose resevoirs in Ontario: An evaluation of conservation authority brnad projects.
	Department of Fisheries and Forestry	An evaluation of land drainage programs in Ontario.
	Department of University Affairs	Modifications induced in stream - channel morphology and vegetation by river control structures.
	Department of Treasury and Economics	Awareness of and adjustment to a Natural Hazard.
	Department of Energy, Mines and Resources	International Water Management in the Great Lakes St. Lawrence System.
M.F. Goodchild	Canada Council	Development of general techniques for the division of space for administration and public service, and for the location of service facilities.
	Department of Energy, Mines and Resources National Research Council	A biogeographic study of an Alpine meadow.



<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
H.A. Hosse	Department of Treasury and Economics	Industrial Location and the Regional Implications of Housing.
D.J. Janelle	U.W.O.	Comparative Movements of Generalized Land Use Surfaces for Canadian Cities.
R. King	National Research Council	Pedogenic gradients in the Canadian Cordillera.
	U.W.O.	Pedogenesis in an Alpine/Tundra Environment.
O. Langtvet	U.W.O.	Computerized Agricultural Atlas.
R. McDaniel	Department of Treasury and Economics	Shifts in the Location of Manufacturing in Ontario 1951 to 1961.
R.W. Packer	Department of University Affairs	Ice Effect Study.
	Department of Energy, Mines and Resources	Develop Field Research Station at Sparta.
E.G. Pleva	Essex Kent Regional Tourist Council	The Baldoon Study.
V.M. Sim	Canada Council	The Geography of the Future.
	Department of Energy, Mines and Resources	Preparation for Lower Great Lakes field excursion, IGC 1972.
	Department of Treasury and Economics	Master's Thesis by R.M. Welch, "International Water Quality Management: A Case Study in the St. Clair - Detroit River Reach of the Great Lakes".
	U.W.O.	South Western Ontario Settlement Studies.
H.W. Taylor	Canada Council	Construction, testing and application of models relating to farm size, land tenure, farm investment and land productive, Colombia.
M.J. Troughton	Canada Council	A comparative study of the farm units in Ontario & Denmark.
C.F.J. Whebell	Canada Council	Comparative political geography.
	Department of Treasury and Economics	Distributional Pattern of Net Migration Parameters in Southern Ontario, 1961-1966.
	Department of Energy, Mines and Resources	Political geography of Ontario: Chapter in a regional monograph on Ontario.
	Department of Energy, Mines and Resources	Critical Bibliography of Maps of Southern Ontario, 1780-1879.
W.R. Wightman	U.W.O.	Colonial Atlas of Southern Ontario.
<u>HISTORY</u>		
F.H. Armstrong	Canada Council	Colonial Rule in Lower Canada 1763-1848.
	U.W.O.	Research in Upper and Lower Canada.
R.L. Emerson	Canada Council	Social Structure and Ideas in the Enlightenment: The Select Society of Edinburgh 1754-1764.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
G.N. Emery	U.W.O.	Methodism on the Canadian Prairies, 1896-1914.
T.N. Guinsburg	Canada Council Research Department of University Affairs	Senatorial Isolationism in American, 1919-1941. Isolationism and Neo-isolationism in America: A Comparative Study.
	U.W.O.	Hiram Johnson and William E. Borah: Divergent Isolationists.
D.S. Hoffman	U.W.O.	Particularism and the South German Railways, 1835-1870.
R.A. Hohner	Canada Council	Biography of Bishop James Cannon Jr. (1864-1944).
A.M.J. Hyatt	Department of National Defence	Professorship in Military and Strategic Studies.
	U.W.O.	Research on the historical background of current strategic problems, etc.
D.G.G. Kerr	Canada Council	Canadian Federal Elections.
F.K. Metzger	U.W.O.	Mazarin and the Great Nobility.
A.A. Miller	U.W.O.	The Role of Hermetic Philosophy and Alchemy in 16th and 17th Century Spiritualism and Mysticism.
P.F. Neary	Canada Council	Recent Newfoundland history: history of Anglo-American relations, 1907-1913.
	U.W.O.	Continuity and Change in Newfoundland Politics.
J.C.M. Ogelsby	Canada Council	Canadian-Latin American Relations, 1867-1967.
	U.W.O.	Canada in Latin America, 1867-1967.
J. Osuntokun	U.W.O.	Canadian Press and the Nigerian Civil War 1967-70.
V.N. Pavloff	U.W.O.	Russian Slavophilism.
P.G. Skidmore	Canada Council	The Political Career of Sir Francis Windebank 1632-1640.
M. Zaslow	Canada Council	Completion of study on the opening of the Canadian North, 1870-1967.
	U.W.O.	Check Quotations and Footnotes of Forthcoming Volume "The Opening of The Canadian North 1870-1914".
<u>JOURNALISM</u>		
F.K. Bambrick	U.W.O.	The Origin and Age of News on Selected Radio Stations.
E.J. Beattie	U.W.O.	Research in Mass Communication.
W.B. Key	U.W.O.	Long-term Newspaper Circulation Trend.
M.M. Laing	U.W.O.	Communications Gap.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
<u>PHYSICAL HEALTH AND EDUCATION</u>		
D.A. Cunningham	U.W.O.	Enzyme Study.
R.B. Eynon	U.W.O.	The Effect of Competitive Swimming Training on Selected Enzymes in Young Girls.
W.J. L'Heureux	Department of National Health and Welfare	Research Associateship - Dr. Cunningham.
	Department of National Health and Welfare	Equipment Grant.
D.C. Milne	U.W.O.	Relationship Between Race, Sex, Grade and Motor Performance in Young Children.
	U.W.O.	Longitudinal Study of Physical Growth and Motor Development.
B.M. Petrie	U.W.O.	Information Retrieval for Sociology of Sport and Leisure.
	University Research Council	Computer Services Award.
J.R. Richardson	University Research Council	Computer Services Award.
G.A. Wearing	U.W.O.	Variations in Health Behavior Related to Sex and Grade Level.
M.S. Yuhasz	Bell Canada	General Research
	Department of Health	The Effects of a Graduated Exercise Programme.
	The Manufacturers Life Insurance Company	General Research.
<u>POLITICAL SCIENCE</u>		
J. Cartwright	Canada Council	Political attitudes in Sierra Leone.
	Canada Council	Conference on Social Change in Sierra Leone April 1971, U.W.O.
	The Canadian International Development Agency	Conference on Social Change in Sierra Leone.
	U.W.O.	Political Attitudes in Sierra Leone.
W.M. Dobell	U.W.O.	Cyprus in World Politics.
C.C. Dunlop	U.W.O.	Administration of State Supported Programs in the Arts.
T.G. Harvey	Canada Council	Research in collaboration with Drs. N.H. Chi, Queen's University, and Dr. S.K. Harvey.
	U.W.O.	Political Consciousness in a Canadian Community.
	University Research Council	Computer Services Award.
A.K. McDougall	U.W.O.	A Preliminary Study of the Structure of Public Policy in Ontario.
R.A. Melvin	U.W.O.	The Concept of Interest.
S.J.R. Noel	U.W.O.	Provincial Political Parties and the Federal System.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
T.R. Sansom	U.W.O.	Bibliography of Political Theory.
B.H. Wright	University Research Council	Computer Services Award.
<u>PSYCHOLOGY</u>		
D. Baran	National Research Council	Behaviour/biological odor interactions in mammals.
	U.W.O.	Olfactory Determinants of Ventral Rubbing in the Mongolian Gerbil.
A.K. Bartoshuk	National Research Council	Parametric stimulation effects on psychophysical.
	National Research Council	Magnitude estimations and physiological "Arousal" reactions.
J.I. Boles	National Research Council	Contour detection by cells in monkey visual system.
	U.W.O.	Microelectrode Analysis of Neural Coding in the Visual System of a Primate (Macacus lynomolgus).
B.D. Bucher	Medical Research Council	Variables affecting non-compliance with instructions and oppositional behaviour.
	U.W.O.	The Relation between GSR Changes and Fear Ratings.
B.F. Burrton	U.W.O.	Conceptions of Personality Structure: Universal or Unique?
P.M. Carlson	U.W.O.	Therapeutic Modelling with Psychiatric Patients.
J.P. Denny	National Research Council	The relation of information and memory variables in concept formation.
T.L. Fay	U.W.O.	Sex Versus Sex-role Enactment as a Personality Determinant: A Cross-cultural Analysis.
R.C. Gardner	Canada Council	Bicultural Communication: The Significance of Stereotypes.
	U.W.O.	Bicultural Communication: The Significance of Stereotypes.
M.S. Goodstadt	Canada Council	Helping and the Dependent Relationship.
	Canada Council	Social responsibility, helping and the dependent relationship.
	U.W.O.	National Emergency Study.
D.N. Jackson	Alcoholism & Drug Addiction Research Foundation	Behavioural Studies in Alcoholism.
	Ontario Mental Health Foundation	Evaluation of Structured Assessment Procedures in Psychiatric Settings.
	U.W.O.	Studies in Personality Construction and Psychopathology.
	University Research Council	Computer Services Award.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
S.B. Kendall	National Research Council	Studies of temporal conflict.
	U.W.O.	Effects of Fading on Discrimination Reversal.
D. Kimura	Foundations Fund for Psychiatry	The Development of Functional Brain Asymmetry in Normal Children and in Children with Reading Disability.
	National Research Council	Asymmetrical organization of psychological functions in the human brain.
H.O. Lobb	Ontario Mental Health Foundation	Human test system equipment.
	Ontario Mental Health Foundation	Basic learning deficits in mental retardation.
	U.W.O.	Reward and Nonreward in Simple Learning Situations.
G.J. Mogenson	National Research Council	Neural mechanisms of motivation and learning.
K.C. Murphy	U.W.O.	Effects of Counselor Self-References.
H.G. Murray	Defence Research Board	Effect of stimulus pre-exposure upon auditory reaction time.
	National Research Council	Stochastic models of response latency.
	U.W.O.	Incidental Paired-associate Learning as a Function of Interstimulus Interval.
A. Paivio	National Research Council U.W.O.	Symbolic processes in memory, perception and language.
D.R. Pederson	Ontario Mental Health Foundation	Reaction of Infants to vestibular stimulation.
	National Research Council	Children's reactions to nonreward: Facili- tation and interference effects.
D.S. Prytulak	U.W.O.	Disagreement in Judgements with Two Reference Points.
L.S. Prytulak	National Research Council	Natural language mediation in short-term memory and paired-associate learning.
	U.W.O.	Good-Gestalt Figures and Mediators in Short- term memory.
Z.W. Pylyshyn	U.W.O.	Mental Images.
W.E. Reitz	Canada Council	Research on the reinforcing properties of attitudes.
W.A. Roberts	National Research Council	Short-term memory in the rat and pigeon.
	U.W.O.	Short-term memory in the Rat.
G.B. Rollman	National Research Council	Psychophysical studies of cutaneous temporal integration.
	U.W.O.	Tactile Numerosity.
M.M. Schnore	Ontario Mental Health Foundation	Cognitive Functioning in the Aged.
J.A. Siegel	National Research Council	Mechanisms of absolute pitch.
	U.W.O.	The Nature of Absolute Pitch.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
W. Siegel	U.W.O.	Memory-effects in "Sensory" Tasks.
T.F. Siess	Avco Finance Limited	Personnel Selection Research.
	Canada Council	Person-environment consistency and occupational performance.
	U.W.O.	Person-environment Consistency and Occupational Behaviour.
M.L. Simner	National Research Council	The influence of prehatch exposure to photo-stimulation on posthatch preferences for visual flicker in chicks.
	U.W.O.	Seasonal Variation in the Newborn's Arousal Level.
V.L. Smeriglio	National Research Council	Investigation of children's visual search behaviour.
	U.W.O.	Decision Processes in Multidimensional Generalization.
R.M. Sorrentino	U.W.O.	National Emergency Study.
R.G.A. Stretch	Alcoholism and Drug Addiction Research Foundation	Effects of Behavioral and Pharmacological Manipulations upon Patterns of Drug Self-Administration in Squirrel Monkeys.
	Medical Research Council	Pharmacological manipulation of schedule-controlled behaviour in squirrel monkeys maintained by intravenous infusion and self-infusion procedures.
C.H. Vanderwolf	National Research Council	Neural mechanisms of voluntary movement.
F.M. Van Fleet	U.W.O.	Partial Reinforcement Effects on Discrete-Trial Responding in the Skinner Box.
N.J. Vidmar	Canada Council	Dynamics in group decision making.
	Canada Council	Risky shift and inter-ethnic conflict.
	U.W.O.	Social Psychological Factors in Jury Decisions.
F.R. Wilkinson	Medical Research Council	Behavioral correlates of ipsi-lateral stimulation of adjacent retinal areas.
M.J. Wright	U.W.O.	Institutional History of Psychology in Canada.
<u>SOCIOLOGY</u>		
J.D. Allingham	Canada Council	Canadian Family Growth Study.
T.R. Balakrishnan	U.W.O.	Cost Benefit Analysis of the Barbados Family Planning Program.
C.L. Boydell	U.W.O.	Public Opinions and Legal Sanctions.
G.E. Ebanks	Canada Council	Clients of the National Family Planning Program in Jamaica and their contraceptive use.
	University Affairs	Migrants to and from London, Ontario.
	U.W.O.	Migrants to and from London, Ontario.
	University Research Council	Computer Services Award.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
P.M. George	Canada Council	Research on social factors affecting aspirations for higher education.
	U.W.O.	Value-orientation of Scientists/Science and Religion.
C.F. Grindstaff	Canada Council	Male sterilization in Canada.
	U.W.O.	Personality Characteristics of the Canadian Indian.
J.E.W. Jackson	U.W.O.	Income Maintenance Project: Proposal Development for Phase I.
	University Research Council	Computer Services Award.
R.C. Leonard	U.W.O.	Experimental Sociology: An Annotated Bibliography.
I.C. Marin	U.W.O.	Mathematical Models of Social Orientation and Evaluation Processes.
C.E. Nobbe	Canada Council	A Study of Factors Related to Recent Fertility Declines in Barbados.
	International Development Research Centre	Study of Fertility Declines in Barbados.
	University Affairs	A Sociological and Demographic Analysis of Residential Mobility.
	U.W.O.	Sociological Correlates of Intracity Mobility in London.
	University Research Council	Computer Services Award.
I.O. Okraku	University Affairs	Bases of Electoral Support in London, Ontario.
	U.W.O.	Bases of Electoral Support in London, Ontario.
R.W. Osborn	University Affairs	Attitudes Towards Health Care Utilization.
E.T. Pryor	U.W.O.	Family Data: 1971 Canadian Census.
	University Research Council	Computer Services Award.
J.W. Rinehart	U.W.O.	Young Workers.
	University Research Council	Computer Services Award.
B.D. Singer	Canada Council	To study the social-psychological dynamics of the Detroit Riot.
	Canada Council	London mass communication study.
	Canada Council	The Role of a Radio Station in a Community Emergency.
	London Mass Media Study	London mass communication study.
	U.W.O.	Social Class and Changes in I.Q. of Mentally Retarded Children.
	University Research Council	Computer Services Award.
W.L. Skidmore	University Research Council	Conceptual Continuities Between Social and Economic Theory.
J.J. Teevan	U.W.O.	Television Violence and Deviant Behavior.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
J.J. Teevan	University Research Council	Computer Services Award.
J. Veevers	U.W.O.	Sex Role Behavior and Drinking Patterns.
P.C. Whitehead	U.W.O.	Test-Retest Reliability of Drinking History Questionnaire Items and Alcoholic Respondents.
F.C. Wien	U.W.O.	A Cross-National Study of Inequality Among Ethnic Groups.
J.I. Williams	School of Nursing	Evaluation Project.
	U.W.O.	Health Care Utilization/Privacy and the Computer.
	University Research Council	Computer Services Award.

FACULTY OF ENGINEERING SCIENCE

S.H. Abu-Sitta	National Research Council	Analytical and Experimental Investigation of Static and Dynamic Behaviour of Surfaces of Revolution.
	National Research Council	Wind Response of Hyperbolic Cooling Towers.
	National Research Council	Suspension Roofs.
S.H. Abu-Sitta A.G. Davenport	National Research Council	Earthquake Response of Shells of Revolutions.
C.G.J. Baker	National Research Council	Hydrodynamics of Three Phase Fluidized Beds.
	National Research Council	Agglomerate Particle Analysis.
	U.W.O.	Calcium Carbonate Precipitation in a Continuous Stirred Tank Reactor.
	National Research Council	
C.G.J. Baker J.M. Beeckmans	U.W.O. Department of Energy, Mines and Resources	Coagulating Properties of High Molecular Weight Lignosulphonates.
C.G.J. Baker M.A. Bergounou	Spring Chemicals Limited	Spring Process for the Recovery of Calcium and Magnesium.
T.E. Base	U.W.O.	Mathematical Studies of Vortex Models to Represent Unsteady Fluid Flow.
	National Research Council	Convective Heat Transfer.
J.M. Beeckmans	Ontario Department of Energy and Resources Management	Sonic Filtration.
	National Research Council	Intense Sound Phenomena.
	Department of Energy, Mines and Resources	Pyrolised Sewage Sludge.
	National Research Council	Aerosol Capture by a Dry Venturi Scrubber.
J.M. Beeckmans C.G.J. Baker	U.W.O. Department of Energy, Mines and Resources	Lignosulphonate Coagulants.
J.M. Beeckmans W. Bulani	Spring Chemicals Company Research Fund	Electric Field Effects on Particulate Recovery in a Pneumatic Transport Line.



<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
M.A. Bergougnou	National Research Council	Jet Thermal Dissipation in Gas Fluidized Beds.
	National Research Council	Study of Baffles in Gas Fluidized Beds.
	National Research Council	Study of Solids Entrainment from Gas Fluidized Beds.
	National Research Council	Study of the Fluidization Characteristics of Dissimilar Solids when Mixed Together.
T. Bonnema G.F. Lyon	National Research Council	Total Electron Content of the Ionosphere.
J.D. Brown	National Research Council	Properties of Thin Films.
	National Research Council	X-Ray Generation by Electrons.
W. Bulani C.G.J. Baker	Ontario Department of Energy and Resources Management	Electric Field Effect on Combustion of Gases.
	Ontario Department of Energy and Resources Management	Electric Field Effect on Evaporation and Combustion of Liquids.
	Federal Department of Energy, Mines and Resources	The Effect of Electric Fields on Yttrium Extraction.
G.S.P. Castle	National Research Council	Space Charge Effects in Aerosols.
G.F. Chess F.R. Calaresu	Ontario Heart Foundation	Neural Control of Heart Period.
	Ontario Heart Foundation	Statistical Analysis of the Beat by Beat Fluctuation of Heart Period.
A.G. Davenport	National Research Council Boundary Layer Wind Tunnel Research Fund	Investigation of Guyed Towers under Wind and Ice Loading.
	Department of Transport (Meteorological Branch) National Research Council	Investigation of Wind Climate of Canada.
A.G. Davenport N. Isyumov	National Research Council	Comparison of Wind Loads on Tall Buildings in Full Scale.
	National Research Council	Investigation of Behaviour of Suspension Bridges.
	National Research Council Department of Transport	Investigation of Structure of Strong Turbulent Wind.
A.G. Davenport N. Isyumov B.J. Vickery	National Research Council Canadian Institute of Steel Construction B.C. Government Skidmore, Owings & Merrill	Investigation of Wind Loads on Tall Buildings.
	Wargon, Chapman & Associates Australian Mutual Provident Society Metro Centre Development	Investigation of Tall Observation and Communication Towers.
A.G. Davenport M. Novak P.A. Rosati N. Isyumov B.J. Vickery	National Research Council	Investigation of Aeroelastic Behaviour of Rectangular Prisms and Plates.
S.M. Dickinson	National Research Council	The Lateral Vibration of Plates Subject to In-plane Forces.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
S.M. Dickinson	National Research Council	Statics and Dynamics of Box-like Structures.
G.S. Emmerson	Canada Council	The Life and Times of John Scott Russell.
	U.W.O.	A History of Engineering Education.
	National Research Council	Liedenfrost Phenomena.
J.E.K. Foreman	Medical Research Council	Arterial Post-stenotic Blood Flow Studies, Artery Wall Vibration Characteristics, and Factors Affecting Artery Dilatation.
G.A. Geach	National Research Council	High Temperature Strength of Engineering Materials.
I.I. Inculet	National Research Council	Electrification in High Vacuum.
	Ontario Department of Energy and Resource Management	Electrostatic Precipitation.
	Department of Energy, Mines and Resources	Electrostatic Separation of Canadian Ores in a Fluidized Bed.
I.I. Inculet N. Lefcoe	Ontario Department of Health	The Domestic Micro Environment and Bronchial Disease.
N. Kosaric	National Research Council	Food Preservation by $\gamma$ -Irradiation.
	Department of Fisheries and Forestry	Bioconversion of Waste Sulfite Liquors by Edible Mushrooms.
	National Research Council	Biodegradation of Tall-oil from Kraft Pulp and Paper Mills.
N. Kosaric J.E. Zajic	National Research Council Spring Chemicals, Ltd.	Studies on Microbial Production of the Enzymes Dextranase and Mutanase.
C.E. Livingstone	National Research Council	A "Watch Dog" System for Geophysical Data Logging.
	National Research Council	Feasibility Study of the Landecker Generator as a High Power R.F. Transmitter.
	National Research Council	Ionospheric F Region Electron Density Variations as Deduced from C.W. Satellite Transmissions.
K.Y. Lo	National Research Council	Geotechnical Engineering
	National Research Council	Behaviour of Embankment Loaded Close to Failure.
	National Research Council	Anisotropic Shear Behaviour of Clays.
J.A. MacDonald	National Research Council	Micrometering Valves - Heavy Water Withdrawal.
M. Novak	National Research Council	Dynamics of Soils and Foundations.
	National Research Council	Inverse Problem of Nonlinear Vibrations.
	National Research Council	Aeroelastic Instability of Structures in Smooth and Turbulent Flow.
E.S. Nowak	National Research Council	Experimental Investigation of the Thermo-Physical Properties of Heavy Water.
	National Research Council U.W.O.	Analytical Investigation of Heat Transfer to Supercritical Fluids.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
E.S. Nowak	National Research Council U.W.O.	The Effect of Material Properties on Boiling Heat Transfer.
	Atomic Energy of Canada Ltd.  U.W.O.	Investigation of the Specific Heat of Hydrogen - Steam Mixtures.  Thermal Pollution of the Great Lakes.
A.T. Olson	National Research Council	Boundary Layer Control by Suction in Conical Diffusers.
W.H. Peacock	National Research Council	Influence of Frequency on the Behaviour of Saturated Sands under Cyclic Triaxial Loading Conditions.
	National Research Council	Influence of Sample Size on the Liquefaction of Sand during Cyclic Loading.
	J.A. MacDonald Ltd., London, Ontario	Withdrawal Load Capacity of Power Driven Fasteners under Restricted Penetration.
R.M. Quigley	National Research Council	Engineering Properties and Fabric of New Liskeard Varved Clays.
	National Research Council	Modification of Consolidation Characteristics by Sodium Chloride.
	National Research Council	Black Shale Expansion Problems, Ottawa.
	National Research Council	Bluff Stability - Lake Erie North Shore.
	National Research Council Commonwealth Scholarship	Physico-Chemistry of Weathered Clay Crust Formation.
	National Research Council	Activity of Interlayered Swelling Clays from Western Canada.
R.M. Quigley A. Dreimanis	National Research Council	Mineralogic Studies on Weathered Green Clays from the Glacial Stratigraphy at Port Talbot.
P.A. Rosati	National Research Council	An Experimental Investigation of the Response of Bluff Prisms to Wind Load.
C. Roy	Atomic Energy of Canada	Oxide Film Growth on Zirconium and Its Alloys.
	Atomic Energy of Canada	The Effects of Oxygen in Solution and Temperature on the Elastic Moduli of Zirconium.
	Atomic Energy of Canada	Corrosion Resistant High Temperature Coatings for Zirconium Alloys.
	National Research Council	Effect of Plastic Deformation on the Electrical Conductivity of Calcium Fluoride.
J.S. Sheasby	U.W.O.	The Rate of Corrosion of Buried Steel.
	National Research Council	The Sticking of Iron Ore Particles during Their Reduction by Hydrogen in a Fluidized Bed.
	National Research Council	The Powder Metallurgy of the Iron-Aluminum System.
	National Research Council	An Examination of the Defect Structure Across an Oxide during Its Growth on a Metal.
K.A. Shelstad	Air Management Branch, Ont. Department of Energy and Resource Management	A Modified DTA Technique for Studying Catalytic Reactions.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
K.A. Shelstad	Air Management Branch, Ont. Department of Energy and Resource Management	Zinc - Cobalt Spinel as Combustion Catalysts.
	Air Management Branch, Ont. Department of Energy and Resource Management	Catalytic Combustion of Organic-Sulfur Air Pollutants.
	Air Management Branch, Ont. Department of Energy and Resource Management	Catalytic Decomposition of Nitrogen Oxides.
	National Research Council	Catalytic Reduction of Sulfur Dioxide.
M.H. Sherebrin	Medical Research Council	Physical Evidence for Short-term Information Storage in Neurons.
	Medical Research Council	Conformational Changes in Biological Membranes.
R.K. Swartman	National Research Council	Solar Energy Utilization
	National Research Council	Absorption Refrigeration
	National Research Council	Two-Phase Duoyancy Forces.
R.K. Swartman E. Brannen D.R. Hay	Department of University Affairs	Aerosols and Gaseous Pollutants in the Lower Atmosphere.
J.D. Tarasuk	U.W.O.	Heat Transfer through Hollow Concrete Block Basement Walls.
	National Research Council U.W.O.	Construction of a Mach-Zehnder Interferometer and the Study of Natural Convection about Heated Horizontal Surfaces Facing Down.
	National Research Council	Thermophysical Properties of Heavy Water in the Superheat Region.
J.D. Tarasuk G.S.P. Castle	U.W.O.	Non-uniform Heat Generation in Electrically Heated Metallic Foils.
A. Watson	National Research Council	Electron Emission at Dielectric Interfaces.
J.E. Zajic	National Research Council	Algal Growth on Hydrocarbons.
	National Research Council	Concentration of Strontium, Hafnium and Zirconium by Microbes.
	National Research Council	Bioleaching of Uranium.
	National Research Council	Polybetahydroxy Butyric (PHB) Acid Synthesis.
	John Labatt Limited	Alpha-Amylase and Protease Synthesis.
	Dextran Limited	Dextranase from <i>Penicillium Funiculosum</i> .
	Sun Oil Company Great Canadian Oil Sands Ltd.	Biopolymer Production from Hydrocarbons.
	National Research Council Imperial Oil Company Gulf Oil Company	Single Cell Protein from Natural Gas.
	National Research Council	Asparaginase Production by <i>Erwinia Aroidae</i> .
J.E. Zajic N. Kosaric	National Research Council	Studies on Production of Enzymes by the Fungus <i>Penicillium Feniculosum</i> SH-5.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
<u>HEALTH SCIENCES</u>		
<u>FACULTY OF NURSING</u>		
D. Hibbert F. Howard	The Richard Ivey Foundation	Learning Needs of Graduates of a Two-Year Diploma Program in Nursing.
J. Mantle	The Richard Ivey Foundation	Study to Examine the Feasibility and Methodology of Developing a Program in Intensive Care Nursing in London.
<u>FACULTIES OF MEDICINE AND DENTISTRY</u>		
<u>ANATOMY</u>		
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	Mental Retardation.
	Medical Research Council	Studies in human genetics.
R.C. Buck	Geographic Trust Fund	Department of Anatomy Research Fund.
	National Cancer Institute	The Surface structures of normal and cancerous cells.
	Medical Research Council	Cytologic Studies on Metaplasia.
	A.E. Silverwood Foundation	Research in Mental Retardation.
E. Donisch	Medical Research Council	Structural changes with age in the lumbar intervertebral discs.
A.J. Gwinnett	Medical Research Council	Medical Research Scholarship.
D.G. Gwyn	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	Cholinesterase in the central nervous system.
M.L. Hollenberg	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	Studies of cell differentiation in the vertebrate eye.
K. Hoshino	Jane Coffin Childs Memorial Fund	Cancer Research.
	National Cancer Institute	Studies of breast cancer in mice.
	Medical Research Council	Hormonal influences upon development and function of endocrine and reproductive organs in mice.
D.G. Montemurro	National Cancer Institute	Cancer research.
	Medical Research Council	Study of the structure and function of pituicytes.
E.L. Shaver	Medical Research Council	Chromosome abnormalities in rabbit embryos.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
R.P. Singh	Medical Research Council	Histochemical studies of the gonads of XO abortuses.
	Medical Research Council	Congenital anomalies in CF1 mice treated with systox.
A.S. Wilson	Medical Research Council	Innervation of the diaphragm.
<u>BACTERIOLOGY AND IMMUNOLOGY</u>		
P.C. Fitzjames	Medical Research Council	Medical Research Associateship.
	Medical Research Council	M.R.C. Fellowship Grant.
	John Labatt Limited	Microbiology Research.
	Medical Research Council	Macromolecular synthesis in bacteria.
E.L. Medzon	Medical Research Council	Structure and function of vaccinia virus.
R.G.E. Murray	Collip Trust Fund	Immunology Research.
	Medical Research Council	Studies of <i>Listeria monocytogenes</i> .
	Medical Research Council	General Microbiological and cytological studies.
J. Robinson	Medical Research Council	The mode of action of lysis of specific bacteria by <i>Bdellovibrio</i> .
J. Rozanis	Medical Research Council	The effect of PAS on nocardia.
S.K. Singhal	Medical Research Council	Antigen-specific cell-bound receptors and immunoglobulin synthesis.
G. Strejan	Medical Research Council	Hypersensitivity to ascaris antigens.
<u>BACTERIOLOGY AND IMMUNOLOGY - Meek Laboratory</u>		
A. Bakerspigel	Medical Research Council	Fungistatic activity of normal and abnormal sera.
<u>BIOCHEMISTRY</u>		
C.C. Bigelow	Medical Research Council	Protein denaturation and structure.
K.K. Carroll	Canadian Federation of Biological Societies	Secretarial Services.
	National Cancer Institute	An investigation of the substances in certain bacteria which cause run-away production of white blood cells.
	National Dairy Products Corporation	The Role of Dietary Fat in Cancer.
	Medical Research Council	M.R.C. Associateship.
	Ontario Heart Foundation	Dietary Control of Liver Cholesterol Biosynthesis.
	Medical Research Council	Analysis and metabolism of bacterial lipids.
R.A. Cook	Medical Research Council	A Physico-chemical study of the allosteric NAD-specific isocitrate dehydrogenase of <i>Neurospora crassa</i> .

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
P.R. Galsworthy	Medical Research Council	A study of ion transport mechanisms in microorganisms.
B.A. Gordon	Ontario Mental Health Foundation	Research Scholarship.
W.L. Magee	Medical Research Council	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	Medical Research Council	Cytological organization and metabolism of yeast.
	National Research Council	For the support of Visiting Scientist, Dr. K. G. Karagezyan.
K.P. Strickland	Medical Research Council	M.R.C. Associateship.
	Muscular Dystrophy Association of Canada	Morphological and Chemical Changes in Myasthenia Gravis and Myasthenia-like Conditions.
	Muscular Dystrophy Association of Canada	Pre-doctoral Fellowships.
	Medical Research Council	The biosynthesis of phospholipids.
J.R. Trevithick	Medical Research Council	M.R.C. Scholarship.
	Medical Research Council	The role of basic nuclear proteins in development.
I.G. Walker	Medical Research Council	Studies with alkylating agents.
D. Webling	Medical Research Council	Bile and bile salts in calcium metabolism.
<b>PATHOLOGY</b>		
J.V. Frei	National Cancer Institute	Activation of Murine Lymphoma Virus by Alkylating Carcinogens.
	Medical Research Council	M.R.C. Fellowship Grant.
	Department of University Affairs	Computer-Assisted Storage and Retrieval of Clinical and Pathological Data.
	Medical Research Council	Proliferation of mouse embryo cells treated with methylnitrosourea and related agents.
D.G. Gardner	National Research Council Medical Research Council	Studies on the oral tissues in certain systematic Disorders.
M.D. Haust	Ontario Heart Foundation	The role of plasma proteins in human atherosclerosis.
	Ontario Heart Foundation	Immunohistochemical and electron microscopic studies of renal and cardiac arterioles in hypertension.
	Medical Research Council	Immuno-electron microscopic studies of human atherosclerotic lesions.
	Geographic Trust Fund	Neuropathology Research.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
M.D. Haust	Dean of Medicine	Research in Neuropathology.
J.C. Patterson	Ontario Heart Foundation	Localizing factors of early atherosclerotic plaques.
A.C. Wallace	National Cancer Institute	Studies of the factors involved in spreading tumors to different areas of the body.
	Geographic Trust Fund	Department of Pathology Research.
B.A. Warren	National Cancer Institute	Cancer Research.
	Medical Research Council	Plasminogen activator activity of the endothelial cell.
<u>PHARMACOLOGY</u>		
E.H. Colhoun	Medical Research Council	M.R.C. Associateship.
	Medical Research Council	Studies of microsomal enzymes.
C.W. Gowdey	Canadian Arthritis & Rheumatism Society	Anti-inflammatory activity of a series of glyceryl ethers.
	Defence Research Board	Studies on decompression aeroembolism.
	Medical Research Council	Study of vasodilator mechanism during reoxygenation following hypoxia.
J.T. Hamilton	Burroughs Wellcome Company	Study on Bretylium.
	Ontario Heart Foundation	An investigation of established and new antiarrhythmic agents and a closer look at "gallamine-tachycardia".
	Medical Research Council	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	Alcoholism & Drug Addiction Research Foundation	A Study of the Effects of Narcotic Analgesics on the Specific Pathways in the Central Nervous System.
	Defence Research Board	Studies of low-dose incapacitating effects of organophosphorus compounds.
	Delmar Chemicals Limited Research	Special research project.
	Department National Health & Welfare	Physiological availability studies of various drugs in man.
	Medical Research Council	Effect of drugs on different types of sleep.
	Medical Research Council	Study of analgesics by operant behavioural techniques.
R.B. Philp	Burroughs Wellcome & Company	Department of Pharmacology Research.
	Medical Research Council	M.R.C. Fellowship Grant.
	St. Joseph's Hospital	Platelet Function Tests.
	Pharma-Research Canada Ltd.	Research on Allopurinol.



<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
<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	Defence Research Board	Metabolic reactions to dietary, temperature and traumatic stresses.
	Medical Research Council	Effect of stimulated exercise on serum enzyme levels.
P.G. Dellow	Medical Research Council	M.R.C. Fellowship Grant.
	Medical Research Council	M.R.C. Fellowship Grant.
J.P. Girvin	Medical Research Council	Motor unit discharge in voluntary activity clonus and Parkinsonism.
P.G.R. Harding	Medical Research Council	M.R.C. Scholarship.
	Geographic Research Fund	For the purchase of animals for research.
	Medical Research Council	Energy balance and lipid metabolism in the fetus.
P.F. Mercer	Medical Research Council	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 behaviour.
E.K. O'Hea	Medical Research Council	Adipose tissue insulin sensitivity.
J.J. Seguin	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. Stavraký	Medical Research Council	Responses of partially isolated structures to chemical, reflex, and electric stimulation.
J.A.F. Stevenson	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.
	Sundry Donors	Miscellaneous Research in Physiology.
	U.W.O.	Physiological Controls and Behaviour.
D.J. Stewart	Dean's Research Grant	The role of Phospholipids.
	Medical Research Council	Sodium transport: The role of phospholipids.
C.H. Vanderwolf	Medical Research Council	Effects of centrally acting drugs on neocortical and hippocampal EEG and on behaviour.
W.H. Ziegler	Medical Research Council	Free fatty acid and lactate transcapillary exchange in the functioning myocardium.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
<u>CANCER RESEARCH LABORATORY</u>		
Judith K. Ball	Medical Research Council	Studies on the mechanism of induction of thymic lymphoma by a single, neonatal injection of DMBA.
W.P. Cheevers	Medical Research Council	Regulation of nucleic acid metabolism in polyoma virus-infected cells.
K. Ebisuzaki	Medical Research Council	Studies on fine analysis of DNA; Recombination mechanisms.
J.A. McCarter	National Cancer Institute	Cancer Research.
	National Cancer Institute	Fellowships and Studentships.
	Medical Research Council	Interaction of nucleic acids with polycyclic aromatic hydrocarbons and acridines.
N.R. Sinclair	Medical Research Council	M.R.C. Scholarship.
	Medical Research Council	Scholarship Grant.
	Medical Research Council	Regulation of the immune response by antibody and antigen.
I.G. Walker	Defence Research Board	Sulphydryl compounds and protection against radiomimetic alkylating agents.

FACULTY OF MEDICINE

ANAESTHESIA

W. Spoerel	Sundry Donors	Research in Anaesthesia.
	Medical Research Council	The effect of anaesthesia and resuscitation on cerebral ischemia in the rabbit.

BIOPHYSICS

A.C. Burton	Defence Research Board	Mechanism of temperature receptors in acclimatization.
	Medical Research Council	M.R.C. Fellowship Grant.
	Ontario Heart Foundation	Frequency Characteristics of Sinus Arrhythmia.
	Life Insurance Medical Research Fund	The Biophysics of the red blood cell.
	Medical Research Council	Energetics of vascular smooth muscle.
	Medical Research Council	Analysis of total E.M.G. activity in voluntary contraction.
P.B. Canham	Ontario Heart Foundation	The Importance of Geometry at Intracranial Arterial Bifurcations.
	Medical Research Council	Physical properties of the red cell membrane.
	University Research Council	Computer Services Grant.
R.I. Duncan	Canada Council	Special Fellowship Grant.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
R.I. Duncan	National Cancer Institute	A study of the effect of electrical currents on, and the development of electrical potentials during, cell growth.
	Multiple Sclerosis Society of Canada	The effects of Deuterium on Membrane Potentials of Neurons in Culture.
A.C. Groom	Medical Research Council	M.R.C. Scholarship.
	Medical Research Council	M.R.C. Scholarship Grant.
	Ontario Heart Foundation	Flow of Cells and Plasma in Skeletal Muscle.
	Medical Research Council	Flow of cells and plasma through the smaller vessels of skeletal muscle, and dynamics of the splenic circulation.
M.R. Roach	Victoria Hospital	Biophysics Research Fund.
	Ontario Heart Foundation	Effects of Vibration on Tissues.
	Medical Research Council	Contraction of vascular smooth muscle.
	Ontario Thoracic Society	Vibration of Bronchi.
	Medical Research Council	Elastin fragmentation.
	Medical Research Council	Cerebral artery spasm.
M.H. Sherebrin	Medical Research Council	M.R.C. Scholarship.
	Medical Research Council	M.R.C. Scholarship Grant.
	Medical Research Council	Conformation changes of macromolecules in biological membranes.
	University Research Council	Computer Services Grant.
C.P.S. Taylor	National Research Council	Biophysical studies on respiration and photosynthesis.
	Medical Research Council	EPR studies of Hemoproteins.

#### CLINICAL NEUROLOGICAL SCIENCES

Y.M. Archibald	Medical Research Council	An evaluation of four nonverbal cognitive tests for use in the differential diagnosis of brain damage.
H.J.M. Barnett	The Richard Ivey Foundation	Clinical Neurological Sciences Department Library Fund.
W.F. Brown	Medical Research Council	A study of presynaptic function in sequential demyelination.
C.G. Drake	M. T. Heron	To support a Research Fellowship - Dr. D. Paty.
	The Richard Ivey Foundation	In support of the establishment of a clinical diagnostic and research facility in electroneurophysiology in the Department of Clinical Neurological Sciences.
	Sundry Persons	Neurosurgery Research Fund.
J.P. Girvin	Geographic Trust Fund	Neurophysiological Research.
	The Richard Ivey Foundation	Brain Pressure Research.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
A. Kertesz	Geographic Trust Fund	To support a summer student.
	Geographic Trust Fund	Neurological Research - St. Joseph's Hospital.
	Geographic Trust Fund	Asphasia Research.
<u>COMMUNITY MEDICINE</u>		
Carol Buck	Laidlaw Foundation	For the support of a summer student.
	The F.K. Morrow Foundation Fund	The Relation of Population Changes to Health and Disease.
	The John McClary Memorial Fund	For research in industrial medicine.
	Ontario Mental Health Foundation	Factors influencing the intellectual development of young children.
	Physician's Services Incorporated Foundation	Graduate Student Fellowships in Epidemiology.
E.J. Love	Department of National Health & Welfare	The Phenomenon of Prematurity.
J.S. McKim	Canadian International Development Agency	The Development of Training and Research Facilities at the Jawaharlal Institute of Post-Graduate Medical Education and Research.
C.G. Rand	Ontario Department of Health	Diabetic Screening.
K.M. Stavraký	Ontario Cancer Treatment & Research Foundation	Factors associated with the development of Breast Cancer in Premenopausal vs. Post Menopausal Women.
J.M. Wanklin	Ontario Department of Health	Health Care - Pilot Study.
<u>DIAGNOSTIC RADIOLOGY</u>		
J. Allcock	Dean of Medicine	Diagnostic Radiology Research.
<u>FAMILY MEDICINE</u>		
A.T. Hunter	Department of National Health & Welfare	Medical Education - Television.
	Department of Health (Ont.)	A Study of Medical Manpower in Ontario.
C.T. Lamont	Geographic Trust Fund	For the purchase of educational research equipment for new Family Medical Centre.
I.R. McWhinney	Geographic Trust Fund	To support research assistant for Family Medicine programme.
	Ontario Department of Health	Teaching practices for undergraduate education.
	Ontario Department of Health	Rural Health Centre - Muncey.
<u>MEDICINE</u>		
S.P. Ahuja	Ontario Heart Foundation	Long Term Effects of Cardiac Sympathectomy on Experimental Post Coronary Occlusion Ventricular Tachycardia and Fibrillation.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
D.C. Bondy	Medical Research Council	M.R.C. Fellowship Grant.
	Geographic Trust Fund	Medical Research.
I.T. Borda	Astra Chemicals Ltd.	Terbutaline Study.
	Department of National Health & Welfare	Drug Surveillance Program.
F.S. Brien	Geographic Trust Fund	Pooled Research Fund - Victoria Hospital.
	Lady Jean Lister Kay Fund	Medical Research.
	The Richard and Jean Ivey Fund	For the Purchase of a Collins Receiver.
W.B. Chodirker	Canadian Arthritis & Rheumatism Society	An in-vitro study utilizing the macrophage migration inhibition system.
	Geographic Trust Fund	Assay of individual complement components.
	Medical Research Council	The development of an in-vitro assay of delayed hypersensitivity in man utilizing a macrophage migration inhibition system.
R.W. Gunton	Estate Thomas Carnegie	Arthritic and Rheumatic Diseases.
	Geographic Trust Fund	Department of Medicine Pooled Research Fund.
	Medical Association	Department of Medicine Clinical Research Fund.
	Medical Associates of Victoria Hospital	For the support of summer students.
	The Richard & Jean Ivey Fund	For the establishment of a Gastroenterology Unit, Department of Medicine.
	Pooled Research Fund - Victoria Hospital	Summer Research Studentships.
M. Harth	Canadian Arthritis and Rheumatism Society	To support Rheumatic Diseases Unit.
	Canadian Arthritis and Rheumatism Society	Intestinal Absorption in Rheumatoid Arthritis.
	Geographic Trust Fund	Drugs in Arthritis - The Pharmacology of Gold Salts.
B.L. Hession	Geographic Trust Fund	Pooled Research Fund, St. Joseph's Hospital.
A.J. Hudson	Dean of Medicine	Special Research Grant.
R.W. Kimber	Geographic Trust Fund	Research in the Renal Unit.
	Department of National Health & Welfare	Hereditary Nephritis.
N.M. Lefcoe	Geographic Trust Fund	For the purchase of Research Equipment for Pulmonary Unit.
	Ontario Department of Health	Domestic Micro environment.
	Ontario Tuberculosis Assoc.	Research into problems of Respiratory Disease.
J.A. Lewis	Geographic Trust Fund	Pooled Research Fund - Westminster Hospital.
A. Linton	Victoria Hospital - Department of Medicine Pooled Research Fund	Nephrology Research

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
G.W. Manning	I.B.M. Canada Limited	Electrocardiogram Analysis Project.
	Sarah Duncan Estate	Cardiovascular Research.
	Ontario Heart Foundation	Cardiovascular Research.
	Sundry Donors	Department of Medicine Cardiovascular Research.
	Bessie Mayne Cardiovascular Fund	Cardiovascular Research.
	The Richard and Jean Ivey Research Fund	Computer analysis of the Electrocardiogram.
	H. Wolf Memorial Fund	Cardiovascular Research.
	University Research Council	Computer Services Grant.
J.W.D. McDonald	Medical Research Council	Medical Research Council Scholarship.
	Medical Research Council	M.R.C. Scholarship Grant.
	Medical Research Council	Lymphocyte adenine nucleotide metabolism.
P.A. Rechnitzer	Ontario Heart Foundation	Cardiac Rehabilitation Study.
N.W. Rodgers	Department of Medicine Pooled Research Fund	Medical Research.
	Medical Research Council	Hyperlipidemia in diabetes mellitus.
D.B. Shaw	Geographic Research Fund	Equipment for Pulmonary Function Laboratory.
R.K. Stuart	Ontario Heart Foundation	Experimental and Clinical Studies of Thrombosis and Thrombolysis.
J.H. Toogood	Sundry Donors	Allergy Research.
	Beck Memorial Sanitorium Fund	Dr. David W. Crombie Memorial Research Fellowship.
	Fisons Canada Limited	Allergy Research.
	Canadian Tuberculosis Association	Effect of Acoustic Stress on Bronchial Wall Elasticity.
L.D. Wilcox	Ontario Cancer Treatment and Research Foundation	Estimations of the radiosensitivity of exteriorized spleen of the dog.
	Medical Research Council	Proposed studies of problems associated with the creation of a spleno-pulmonary shunt.
B.M. Wolfe	Department of Medicine Pooled Research Fund	Lipid Protein Metabolism.
	Medical Research Council	Lipoprotein metabolism.
T.E. Wood	Geographic Trust Fund	Summer Research Student.
<u>MEDICINE - GENERAL</u>		
D. Bocking	Canadian Patents & Development Limited	Cancer Research.
	Medical Research Council	M.R.C. Fellowships.
	Medical Research Council	M.R.C. Studentships.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>	
D. Bocking	Department of National Health & Welfare	General Practitioner Education.	
	Department of National Health & Welfare	Moose Factory Project.	
	Ontario Heart Foundation	Summer Student Scholarships.	
	Ontario Heart Foundation	The Martin L. Wills High School Student Scholarships.	
	Ontario Heart Foundation	Associateships & Fellowships.	
	Mrs. W.F. Herman & W.L. Clarke	R. Knox Herman Fellowship.	
	Geographic Trust Funds	Faculty of Medicine Pooled Research Fund.	
	Medical Research Council	For the support of Medical Research.	
	Medical Research Council	Summer Scholarships.	
	Richard Ivey Foundation	General Research Travel Fund.	
	Geographic Trust Funds	Faculty of Medicine Research Travel Fund.	
	John Wyeth & Bros. Ltd.	Faculty of Medicine Travel Fund.	
	<u>OBSTETRICS AND GYNAECOLOGY</u>		
D.T. Armstrong	Medical Research Council	M.R.C. Scholarship.	
	Medical Research Council	M.R.C. Fellowship Grant.	
	Medical Research Council	M.R.C. Fellowship Grant.	
	Medical Research Council	M.R.C. Scholarship Grant.	
	Department of Health, Education & Welfare	Hormonal control of ovarian development and function.	
	Department of Health, Education & Welfare	Corpus luteum regulatory mechanisms.	
	Medical Research Council	Regulation of ovarian sterol metabolism and steroid hormone secretion.	
	E.R. Plunkett	Ayerst Laboratories	Drug Study.
		Ontario Cancer Treatment Research Foundation	Environmental factors in Human Mammary Cancer.
		Geographic Trust Fund	For the purchase of a Laparoscope.
Geographic Trust Fund		For the purchase of a Refrigerated Centrifuge.	
Medical Research Council		For the support of research undertaken by Dr. David Armstrong.	
Ortho Pharmaceutical Limited		A special grant-in-aid to assist the teaching programme for students, interns and residents in the Department of Obstetrics & Gynaecology.	
Richard and Jean Ivey Fund		For the purchase of special equipment relating to the biochemical and physiological study of reproductive hormones.	
Upjohn Company of Canada Limited Research Fund		Obstetrical Research.	

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
E.R. Plunkett	Department of Obstetrics and Gynaecology Research Fund	Obstetrical Research.
	Obstetrics & Gynaecology Associates	Partial support - Dr. A. Yuzpe.
	Warner Lambert Research Fund	Obstetrical Research.
H.R. Raud	Medical Research Council	The gonadotropin control of gestation.
M.L. Robinson	Searle Company Research Project	Searle Project on Substitution Therapy in Menopause.
J.H. Walters	Ontario Cancer Treatment & Research Foundation	A pilot study in cytological screening.
	Geographic Trust Fund	Research Investigation - Dr. Effer.
	Geographic Trust Fund	For the purchase and installation of equipment.
	Geographic Trust Fund	Technical Development & Research Equipment.
	Geographic Trust Fund	A computer study in Obstetrics.
<u>OPHTHALMOLOGY</u>		
C. Dyson	The Richard Ivey Foundation	Department of Ophthalmology - Teaching & Research Fund.
	Sundry Donors	Joint University Hospitals Research Fund.
<u>OTOLARYNGOLOGY</u>		
F.J. Rounthwaite	Medical Research Council	Neurophysiological aspects of deafness in retarded children.
	Geographic Trust Fund	Department of Otolaryngology Research Fund.
	The Richard Ivey Foundation	For the purchase of equipment.
<u>PAEDIATRICS</u>		
L.L. DeVeber	Geographic Research Fund	Summer Student Research Project.
	Department of Health	Antenatal Studies in RH Prevention.
	The Richard and Jean Ivey Fund	For the Provision of a Research Assistant.
G.G. Hinton	CIBA Company Limited	The effect of methylphenidate on the motor skills of children with minimal brain dysfunction.
N.T. Jaco	Ontario Department of Health	Children of High Risk Pregnancy.
J.C. Rathbun	Canadian Cystic Fibrosis Foundation	The Diagnosis of Cystic Fibrosis and the Detection of the Heterozygote Carrier State by the Examination of Short-term Lymphocyte Cultures for Metachromatic Granules.
	Geographic Trust Fund	Department of Paediatrics Research, W.M.C.H.
	Geographic Trust Fund	Department of Paediatrics Research.



<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
G.H. Valentine	Geographic Trust Fund	To investigate the cellular responses of patients with Down's Syndrome.
	The Richard and Jean Ivey Fund	A research programme designed to allow the rapid identification of certain disorders involving the "Y" chromosome.
<u>PATHOLOGICAL CHEMISTRY</u>		
Y.S. Brownstone	Defence Research Board	The use of short chain ribosides as blood preservative.
	Medical Research Council	Enzymology of the erythrocyte.
A.H. Neufeld	Medical Research Council	Metabolic changes in disease with emphasis on proteins.
E.R. Tustanoff	Medical Research Council	Studies of the control mechanisms of mitochondrial development and metabolism.
<u>PHYSICAL MEDICINE AND REHABILITATION</u>		
M.G.P. Cameron	Geographic Trust Fund	Research on Aphasia.
	Department of Health	Communication Disorders.
M. Trider	Department of National Health & Welfare	Course for Occupational Therapists.
<u>PSYCHIATRY</u>		
G.E. Hobbs	Department of National Health & Welfare	Research Position in Epidemiology.
	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	Department of Health	Attempted Suicides.
	Ontario Mental Health Foundation	Attempted suicide in London, Ontario.
W.E. Keil	Geographic Trust Fund	Department of Psychiatry Research Fund.
	Geographic Trust Fund	Department of Psychiatry Research Fund.
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	Research project on surgical shock at St. Joseph's Hospital.
	Geographic Trust Fund	Special Research Travel Fund, Department of Surgery.
J.C. Coles	Ontario Heart Foundation	Cardiovascular Research.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
N.F. Gergely	Ontario Heart Foundation	Heterotopic and orthotopic canine cardiac homotransplantation with topical irradiation and/or hyperbaric oxygen treatment.
L.N. McAninch	Estate of the late Col. J. E. Smallman	Urological Research.
A.D. McLachlin	Geographic Trust Fund	For the support of Dr. David Rowed.
	Victoria Hospital Associates	Surgical Research Fund.
	Victoria Hospital	Surgical and Teaching Research Fund.
R.B. Passi	Geographic Trust Fund	Department of Surgery Research.
	Sundry Donors	V. H. Animal Laboratory Fund.
L. Reese	Ontario Department of Health	Renal and Hypertensive Disease.

#### FACULTY OF DENTISTRY

##### GENERAL

P.G. Dellow	Medical Research Council	Trigeminal responses and their central nervous relationships.
W.J. Dunn	Medical Research Council	For the assistance of research.
	Medical Research Council	To provide summer scholarships in the Faculty of Dentistry.
	The Richard Ivey Foundation	Special Travel Fund.
	The Richard Ivey Foundation	Maxillofacial Prosthodontic apparatus.
K. Hoshino	Medical Research Council	Studies on salivary glands in mice.
J.P. Sapp	Medical Research Council	An ultrastructural investigation of the giant cell lesions of bone.

##### PAEDIATRIC DENTISTRY

G.Z. Wright	Medical Research Council	Children's Cooperative Behaviour, Study #2.
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##### ORAL MEDICINE

S.L. Kogon	Medical Research Council	Induction of odontogenic tumour in Syrian hamsters, pilot study.
B.J. Zulqar-nain	Medical Research Council	Study of the Periodontium in Health and Disease.

##### ORAL SURGERY

I.D.F. Schofield in conjunction with J. Rozanis	Medical Research Council	Experimental Dry socket in an animal model.
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##### RESTORATIVE DENTISTRY

R.E. Jordan	Ont. Department of Health	Remineralization of Carious Dentin.
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<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
L.N. Johnson	Ont. Department of Health	Corrosion effects on composition and physical and mechanical properties of dental silver amalgam.
A.J. Gwinnett	Medical Research Council	Adhesives and dental caries prevention.
<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.
	The Richard and Jean Ivey Fund	A study of the feasibility of increasing the number of graduates annually of the Faculty of Medicine.
<u>SCHOOL OF BUSINESS ADMINISTRATION</u>		
T. Abdel-Malek University of Saskatchewan	Plan for Excellence	Management attitudes and export development: A study of the attitudes of Canadian management towards export possibilities.
T.R. Archibald	Plan for Excellence	Structure of Boards of Chartered Accountancy Profession and disclosure of Information.
R. Britney	Plan for Excellence	Development of computer assisted course monitor project.
	Plan for Excellence	Survey of industrial firms in Western Ontario.
	Plan for Excellence	Plant location and reliability study.
	Plan for Excellence	Joint research on system analysis of secondary education with Prof. Hicks and Portis.
J. DiStefano	Plan for Excellence	Sales Managers evaluation of salesmen - a study of the effects of perceptual style.
	Plan for Excellence	Case writing for Organizational Behaviour.
J.D. Ffolliott	Plan for Excellence	Writing cases for Business 250.
J.N. Fry	Plan for Excellence	Shopping Pattern Study: Correlates of Consumer Discrimination of Brands.
	Plan for Excellence	Opinion and Behaviour Changes induced by product trial.
	Plan for Excellence	Socioeconomic and personality correlates of "Self-Confidence".
	Plan for Excellence	The affect of primary group brand preferences on consumer brand choice.
J.R.M. Gordon	Plan for Excellence	Initiation of a manufacturing policy case series on the Canadian Steel Industry.
J.F. Graham	Plan for Excellence	To research and write technical notes and cases in the Investment Management Field.
A. Grindlay	Plan for Excellence	To develop course material for Business 355 and 555.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
C. Haehling von Lanzenauer	Plan for Excellence	Problems in automobile insurance systems from the insurance company's point of view.
P. Halpern University of Toronto	Plan for Excellence	An examination of the effects of inflation, both anticipated and unanticipated on equity values and yields (1960-69).
K.G. Hardy	Plan for Excellence	Taste Studies - food acceptance testing. Video tape consumer purchasing cases.
B.E. Hicks	Plan for Excellence	Book review on "The Allocation Problem in Financial Accounting" by Prof. A.L. Thomas.
	Plan for Excellence	Survey and analysis of the problems involved in measuring the cost of an educational system.
J.R. Kennedy	Plan for Excellence	Development of case material in the Marketing Area.
	Plan for Excellence	Developing faculty use of the London Panel.
	Plan for Excellence	Support of London Consumer Panel.
D. Kuechle	Plan for Excellence	Case development for Industrial Relations Course.
M.R. Leenders	Plan for Excellence	To gather together a basic body of knowledge in the field of case development.
B. Little	Plan for Excellence	Development of cases for Marketing Planning and Marketing Communications courses.
W.J. McDougall	Plan for Excellence	Case writing on particular issues facing Boards to-day.
A. Mikalachki	Plan for Excellence	Developing a data bank regarding cultural aspects of Southeast Asia, West Africa, West Indies and the North American Indian.
A. Mikalachki G. Forsyth	Plan for Excellence	Preparation of cases for Business 20 based on report work done in Executive Probs. Course.
J.M. Pennings University of Alberta	Plan for Excellence	Empirical examination of manufacturing organizations in two cultural environments.
B. Portis	Plan for Excellence	Planning and Logistic Models for administering a local school system.
B. Portis	The Richard Ivey Professorship	Developing new methods to measure benefits of social services.
D.C. Shaw T.R. Archibald	The Toronto Stock Exchange	The management of change by the Canadian Securities Industry: A study of problems and potentials.
D.C. Shaw J.N. Fry C. Haehling von Lanzenauer	Plan for Excellence	Policy of opening branch banks either on University campi or close to campi to attract student accounts.
R.E. Sproule	Canada Council	Leisure habits and patterns of industrial employees.
L. Wrigley	Plan for Excellence	Divisional Autonomy and Diversification.
F. Zabransky	I.B.M.	Research into Management Information Systems suitable for smaller companies.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
F. Zabransky	Plan for Excellence	To investigate the state of the art of MIS as understood and applied in Canadian Corporations.

FACULTY OF LAW

R.G. Atkey	Canada Council	Canadian Constitutional Law in a Modern Perspective.
	Department of Labour	The Canadian Constitution and the Protection of the Public Interest in Labour Disputes.
P.S. Elder	Department of Fisheries & Forestry	Legal remedies available to the individual in environmental law.
J.D. Payne	Canada Council	An analysis of the Divorce Act (Canada) 1968.
J.W. Samuels	Canada Council	Humanitarian Intervention.

MUSEUMS

W. Jury	Department of Tourism and Information	Penetanguishene Project.
V.T. Mould	Department of Tourism and Information	Ste. Marie I Museum Project.

GENERAL

BIOCHEMISTRY

E.Y. Spencer	Sundry Donors	Canada Department of Agriculture Research Fund.
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OFFICE OF THE PRESIDENT

D.C. Williams	National Research Council	Scientific Research Special.
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VICE-PRESIDENT (ACADEMIC)

R.J. Rossiter	J. B. Smallman Memorial Fund	Research in the Humanities and Social Sciences.
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ALTHOUSE COLLEGE OF EDUCATION

CLASSICS

G. Lambert	U.W.O.	Curriculum Development in Classified Civilization.
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COMPUTER STUDIES

J.E. Walsh	U.W.O.	Proposal to investigate the effectiveness of a high level symbolic computer language called APL.
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<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
J.E. Walsh	I.B.M. Canada Limited	Research in Certain Areas of Data Processing Education.
<u>ELEMENTARY TEACHING</u>		
P.B. Park	The Ford Foundation	Early School Environment Study.
	The Ford Foundation	Material for Environmental Education Programs in the U.S. and Canada.
P.W. Sorrill	U.W.O.	A curriculum development proposal in the social studies for elementary schools.
<u>ENGLISH</u>		
D. Gutteridge	U.W.O.	The development of a curriculum theory course.
J.E. Smallbridge	U.W.O.	Seven to Ten - English Project.
	U.W.O.	The Development of a Curriculum Theory Course.
<u>HISTORY OF EDUCATION</u>		
R.D. Gidney	U.W.O.	Research in Early Ontario History.
W.B. Hamilton	U.W.O.	Biographical Study of Dr. Thomas McCulloch.
D.A. Lawr	U.W.O.	Selected Readings in the History of Education - A Bibliography.
J.D. Purdy	U.W.O.	Study of Future Alternatives in Canadian Education.
	U.W.O.	A Study of the Canadian Independent Boy's School.
D.W. Ray	U.W.O.	Developing Audio-Visual Materials about Selected Topics on Comparative Education.
H.A. Stevenson	U.W.O.	Lincoln County History Evaluation.
	U.W.O.	The educational policies of the M.F. Hepburn Government in Ontario between 1934 and 1942.
<u>HISTORY</u>		
D.M. Gray	U.W.O.	Participating in Vergilian Society Seminar.
G. Milburn	U.W.O.	Seven to Ten - History Project.
	U.W.O.	Teaching Models in History: Implications for Curriculum.
	U.W.O.	Curriculum Development Project in History and Social Sciences.
<u>PSYCHOLOGY AND SOCIOLOGY</u>		
A.W. Blue	Sundry Donors	College of Education Research.
S.H. Irvine	Canada Council	Theoretical implications of studies in human behaviour in Africa south of the Sahara.
	Canada Council	The social and psychological adjustment of an African educated elite: A feasibility study.

<u>GRANTEE</u>	<u>GRANTING AGENCY</u>	<u>DESCRIPTION OF PROJECT</u>
J.G. McMurray	U.W.O.	Student Evaluation Study.
	U.W.O.	R. & S. Travel Grant.
A.G. Slemon	U.W.O.	Amsterdam Conference.
	U.W.O.	A Multi-Media.
 <u>SCIENCE</u>		
D. Webber	U.W.O.	The Development of an Integrated Two-Year Program in Chemistry for Grades 12 and 13.
J.S. Wright	U.W.O.	An analysis of Locally-Developed Science Curricula in Southwestern Ontario.

APPENDIX E

VISITING PROFESSORS



VISITING PROFESSORSFACULTY OF ARTSDepartment of Classical Studies

D. C. EARL,  
Department of Latin,  
University of Leeds, Leeds

"The Problem of Cicero's Career", April 2, 1971.

PROFESSOR R. S. KILPATRICK,  
Department of Classics,  
Queen's University, Kingston

"Remember Us, Galatea (A Reconsideration of Horace,  
Odes 3.27)", March 13, 1971.

PROFESSOR M. O. LEE,  
Professor of Classics,  
University of St. Thomas,  
Houston, Texas

"Imagery in Horace", March 13, 1971.

Department of English

M. AVISON,  
Poet,  
Toronto

Read Poetry and Spoke, January 26, 1971.

M. CALLAGHAN,  
Author,  
Toronto

"Comments on Writing", November 10, 1970.

PROFESSOR P. COLLINS,  
Department of English,  
The University,  
Leicester, England

"Fact and Fiction In Dickens", September 29, 1970.

PROFESSOR D. CREIGHTON,  
Department of History,  
University of Toronto

"Methods and Views of Historical Writing",  
November 24, 1970.

G. DION,  
Department of English,  
Mohawk Community College,  
Hamilton

"Canadian Folk Culture - Music and Chanson",  
March 2, 1971.

PROFESSOR K. J. FIELDING,  
Department of English Literature,  
University of Edinburgh, Scotland

"Dickens' Bleak House", August 7, 1970.

PROFESSOR NORTHROP FRYE,  
Department of English,  
University of Toronto

"Agon and Logos: Revolution and Revelation",  
April 13, 1971.

E. JONES,  
Department of English,  
University of Toronto

"Contemporary West African Writers", March 9, 1971.

PROFESSOR I. LAYTON,  
Department of English,  
York University, Toronto

Poetry Reading, March 22, 1971.

D. M. LEGATE,  
Author,  
Montreal, Quebec

"Leacock and Canadian Humour", October 27, 1970

PROFESSOR B. LEWALSKI,  
Department of English Literature,  
Brown University,  
Providence, Rhode Island

"Time and History In Paradise Regained", March 16,  
1971.

JAY MacPHERSON,  
Department of English,  
University of Toronto

Poetry Reading, March 9, 1971.

PROFESSOR IRENE SAMUEL,  
Department of English,  
City University of New York

"The Regaining of Paradise", March 30, 1971.

PROFESSOR A. SESONSKI,  
Department of Philosophy,  
University of California,  
Santa Barbara

"The Films of Jean Renoir", October 27, 1971.

Department of Fine Art

MR. G. CURNOE,  
Artist,  
London, Ontario

"An Auction of Airplanes", October 28, 1970.

MR. D. HOLSONBACK,  
Artist,  
San Francisco, California

"Artistic Development", November 4-10, 1970.

MR. A. ISAACS,  
Isaacs Gallery,  
Toronto, Ontario

"Galleries", March 20, 1971.

DR. H. W. JANSON,  
Department of Fine Art,  
Washington College, New York

"Proposed Art History Program in High Schools",  
April 3, 1971.

MR. W. REDINGER,  
Artist,  
West Lorne, Ontario

"Development as an Artist", November, 1970.

MR. W. TIRR,  
University of Leeds,  
Leeds, Yorkshire

"Growth and Development of an Art Experiment in  
Leeds", April 17, 1971.

MR. A. WOOD,  
Cardiff College of Art,  
Cardiff, South Wales

"Art Education in England", October 16, 1970.

Department of French

PROFESSOR SIMONE BALAYE,  
Bibliothèque Nationale,  
Paris, France

"Rapports de Madame de Stael et Napoléon et Leurs  
Conceptions Opposées", December 7, 1970.

PROFESSOR YVES BRIDEL,  
Haute Ecole,  
Saint-Gall, Switzerland

"Les Écrivains Français Devant la Commune de Paris",  
November 17, 1970.

PROFESSOR JEAN-LOUIS MAJOR,  
University of Ottawa,  
Ottawa, Ontario

"Orientations Actuelles de la Poésie Québécoise",  
March 17, 1971.

PROFESSOR HENRI MITTERAND,  
Université de Paris-Vincennes,  
Paris, France

"Les Écrivains Français Devant la Commune de Paris",  
November 17, 1970.

JEAN PRINET,  
Conservateur en Chef,  
Bibliothèque Nationale,  
Paris, France

"Nadar, le Photographe des Grands Écrivains du 19e  
siècle", March 5, 1971.

MADAME NATHALIE SARRAUTE,  
Novelist and Critic,  
Paris, France

"Forme et Contenu du Roman", January 15, 1971.

JEANE SULLY,  
Actress,  
Paris, France

"La Coédie Francaise", February 4, 1971.

Department of German

PROFESSOR HANS EICHNER,  
Department of German,  
University of Toronto

1) "Thomas Mann and Politics"  
2) "Teaching and Scholarship"  
February 16, 1971.

PROFESSOR M. G. FLAHERTY,  
Northwestern University,  
Evanston, Illinois

"The Unconventional Art Form and its Implications  
for Criticism", March 24, 1971.

PROFESSOR REINHOLD GRIMM,  
Alexander Hohlfeld Professor of German,  
University of Wisconsin

"Foreign Influences on German Expressionism",  
January 26, 1971.

DR. WOLFGANG WAGNER,  
Research Institute of the German  
Society for Foreign Affairs,  
Bonn, Germany

"The New East-West Rapprochement", February 17,  
1971.

Department of Philosophy

PROFESSOR R. BARRETT,  
Department of Philosophy,  
Washington University,  
St. Louis, Missouri

Commentator: "Explanation and Reference",  
November 1, 1970.

PROFESSOR L. COHEN,  
Department of Physics and Astronomy,  
Hunter College of the City University  
of New York

"Probabilities in Quantum Mechanics", March 4,  
1971.

PROFESSOR A. R. C. DUNCAN,  
Department of Philosophy,  
Queen's University, Kingston

"Some Reflections on Plato's Early Dialogues",  
April 2, 1971.

PROFESSOR J. FODOR,  
Department of Humanities,  
Massachusetts Institute of Technology

Commentator" "Something about Conceptual Schemes",  
October 31, 1970.

PROFESSOR E. GERJUOY,  
Professor of Physics,  
University of Pittsburgh

"The Physical Interpretation of the Wave Function",

PROFESSOR R. J. GREECHIE,  
Department of Mathematics,  
Kansas State University

"Quantum Logic" (with S. Gudder), March 5, 1971.

PROFESSOR S. GUDDER,  
Department of Mathematics,  
University of Denver

"Quantum Logic" (with R. J. Greechie), March 5,  
1971.

PROFESSOR H. HERZBERGER,  
Department of Philosophy,  
University of Toronto

"Setting Russell Free", March 19, 1971.

PROFESSOR J. KING-FARLOW,  
Department of Philosophy,  
University of Alberta

"Quantification Theory and Ontological Monism",  
March 1, 1971.

PROFESSOR A. KOMAR,  
Belfer Graduate School of Science,  
Yeshiva University, New York

"The Correspondence Principle and Epistemological  
Issues in the Quantization of General Relativity",  
March 6, 1971.

PROFESSOR S. KÖRNER,  
Department of Philosophy,  
The University,  
Bristol, England

"Logic and Conceptual Change", October 31, 1970.

- PROFESSOR J. E. MCGUIRE,  
History of Science,  
University of Leeds,  
Leeds, England
- PROFESSOR G. POTTINGER,  
Department of Philosophy,  
University of Pittsburgh
- PROFESSOR H. PUTNAM,  
Department of Philosophy,  
Harvard University
- PROFESSOR W. V. QUINE,  
Department of Philosophy,  
Harvard University
- PROFESSOR M. RUSE,  
Department of Philosophy,  
University of Guelph
- PROFESSOR W. SELLARS,  
Department of Philosophy,  
University of Pittsburgh
- PROFESSOR A. SESONSKE,  
Department of Philosophy,  
University of California,  
Santa Barbara
- PROFESSOR W. SHEA,  
Department of Philosophy,  
University of Ottawa
- PROFESSOR J. ULLIAN,  
Department of Philosophy,  
Washington University,  
St. Louis, Missouri
- PROFESSOR P. UNGER,  
Department of Philosophy,  
University of Wisconsin
- PROFESSOR B. VAN FRAASSEN,  
Department of Philosophy,  
Bedford College, University of London,  
London, England
- PROFESSOR J. WEINBERG,  
Department of Philosophy,  
University of Wisconsin
- PROFESSOR G. J. WHITROW,  
Imperial College of Science  
and Technology,  
London, England
- PROFESSOR E. WIGNER,  
Thomas D. Jones Professor  
of Mathematical Physics,  
Princeton University
- PROFESSOR N. WILSON,  
Department of Philosophy,  
McMaster University
- PROFESSOR N. L. WILSON,  
Department of Philosophy,  
McMaster University
- PROFESSOR W. WIMSATT,  
Department of Philosophy,  
University of Chicago
- "Boyle's Conception of Nature", February 5, 1971.
- "Church's Thesis and The First Godel Theorem",  
December 4, 1970.
- "Explanation and Reference", November 1, 1970.
- Chairman: "Logic and Conceptual Change", October 31,  
1970.
- "Two Biological Revolutions", November 27, 1970.
- "Change of Belief or Change of Meaning?", October 30,  
1970.
- "Cinema Space", October 26, 1970.
- "Galileo's Theory of the Tides: A Case Study in  
Theory Ladenness", March 12, 1971.
- Commentator: "Logic and Conceptual Change",  
October 31, 1970.
- "Knowledge and Language", March 26, 1971.
- "Semantic Analysis of Quantum Logics", March 5,  
1971.
- Chairman: "Change of Belief or Change of Meaning?",  
October 30, 1970.
- "The Role of Time in the Evolution of the Scien-  
tific World View", October 5, 1970.
- "Epistemological Problems of Contemporary Science",  
March 6, 1971.
- "What Exactly is English?", January 22, 1971.
- Chairman: "Something About Conceptual Schemes",  
October 31, 1970.
- "Functional Organization", September 25, 1970.

PROFESSOR P. ZIFF,  
Department of Philosophy,  
University of North Carolina

"Something About Conceptual Schemes", October 31,  
1970.

Department of Russian Studies

A. A. VOZNESENSKY,  
Soviet Union of Writers,  
Moscow-Union of Writers,  
Moscow, USSR

Poetry Reading, February 15, 1971.

Department of Spanish and Italian

PROFESSOR J. B. AVALLE-ARCE,  
Department of Romance Languages,  
University of North Carolina

"Don Quijote or Life as a Work of Art", December 9,  
1970.

J. L. CASTILLO-PUCHE,  
Spanish Novelist and Journalist,  
Correspondent for Informaciones,  
New York, N.Y.

"Baroja y Hemingway: dos estéticas convergentes",  
March 12, 1971.

PROFESSOR K. ELLIS,  
Department of Italian & Hispanic Studies,  
University of Toronto

"Some Recurring Practices in the Poetry of Pablo  
Neruda", March 22, 1971.

PROFESSOR M. UKAS,  
Department of Italian & Hispanic Studies,  
University of Toronto

"The Decameron: A Summing-Up of the Middle Ages",  
November 16, 1970.

PROFESSOR D. A. YATES,  
Department of Romance Languages,  
Michigan State University

"The Cardinal Points of Borges", November 18, 1970.

FACULTY OF SCIENCE

Department of Applied Mathematics

DR. L. A. P. BALAZS,  
Department of Physics,  
Purdue University

"Some Predictions from an Extended Multiperipheral  
Model", March 22, 1971.

PROFESSOR D. J. BENNEY,  
Department of Mathematics,  
Massachusetts Institute of Technology

"Instability Phenomena in Fluids" and "The Mathe-  
matics of Waves", March 29, 1971, and March 30,  
1971.

DR. T. V. DAVIES,  
University of Leicester,  
England

"Aerofoil plus Cavity Problems" and "Partial  
Differential Equation (or Distributed Parameter)  
Control Problems", January 25, 1971, and  
January 26, 1971.

DR. P. A. EGELSTAFF,  
Department of Physics,  
University of Guelph

"Experimental Studies of the Triplet Correlation  
Function of Simple Liquids", February 10, 1971.

DR. E. A. EICHELBRENNER,  
Departement de Genie Mécanique,  
Université Laval, Québec

"Laminar Separation in Unsteady Flows", April 22,  
1971.

DR. C. A. HOOKER,  
Department of Philosophy,  
Faculty of Arts,  
U.W.O.

"A Quantum 'Paradox', Reduction of the Wave Packet  
and Modern Approaches to the Theory of Measurement  
in Quantum Theory", October 8, 1971.

DR. P. M. MATHEWS,  
University of Madras,  
India

"Spectral Representations of Wightman Functions,  
and the Spin-Statistics Theorem" and "The Apparent  
Visual Forms of Relativistically Moving Objects",  
June 21, 1971, and June 22, 1971.

- QUAIN PROFESSOR SIR HARRIE MASSEY,  
Department of Physics,  
University College, England
- DR. M. E. O'NEILL,  
Department of Chemical Engineering,  
Carnegie-Mellon University
- DR. A. F. PILLOW,  
University of Queensland,  
Australia
- DR. W. PRITCHARD,  
Chemical Engineering Department,  
University of Wisconsin
- DR. C. TRUESDELL,  
Johns Hopkins University
- Department of Astronomy
- DR. S. van AGT,  
University of Toronto
- DR. A. COWLEY,  
University of Michigan
- DR. G. ELSTE,  
University of Michigan
- DR. W. A. HILTNER,  
University of Michigan
- DR. P. KRONBERG,  
University of Toronto
- DR. P. MILLMAN,  
Upper Atmosphere Research Section,  
Astrophysics Branch,  
National Research Council, Ottawa
- DR. R. L. SEARS,  
University of Michigan
- DR. T. R. STOECKLEY,  
Michigan State University
- DR. A. R. UPGREN,  
Van Vleck Observatory,  
Wesleyan University,  
Middletown, Connecticut
- DR. E. K. UPTON,  
University of California,  
Los Angeles
- DR. H. VAN HORN,  
University of Rochester
- DR. E. ZIMMERMANN,  
Michigan State University
- Department of Chemistry
- DR. J. W. APSIMON,  
Carleton University
- DR. E. M. ARNETT,  
University of Pittsburgh
- "Problems in Positron and Electron Scattering",  
October 29, 1970.
- "Some Problems in Electrohydrodynamic Stability",  
November 5, 1970.
- "Diffusion of Heat and Circulation in Potential  
Flow Convection", March 15, 1971.
- "Measurements of the Viscometric Functions for a  
Fluid in Steady Shear Flow", September 24, 1970.
- "Euler, The Supreme Geometer", March 10, 1971.
- "Spheroidal Dwarf Galaxies", December 10, 1970.
- "Two Unusual Spectroscopic Binaries (i) CV Ser -  
A Sometimes Eclipsing Wolf Rauet Star,  
(ii) HR 2902 - A Supergiant System", April 1, 1971.
- "Inhomogeneous Atmospheres", February 24, 1971.
- "Recent Developments in X-Ray Astronomy", April 15,  
1971.
- "Recent Polarization Studies of Extragalactic  
Radio Sources", October 29, 1970.
- "Recent Advances in Meteor Spectroscopy",  
November 27, 1970.
- "The Solar Neutrino Flux", November 12, 1970.
- "Line Profiles of Rapidly Rotating Stars",  
March 4, 1971.
- "Recent Developments in Parallaxes and Proper  
Motions", March 18, 1971.
- "A New Calibration of the Hyades-Praesepe Main  
Sequence and Its Implications", March 9, 1971.
- "The Cooling of White Dwarfs", March 11, 1971.
- "Hydrodynamics of a Helium Shell Flash", February 4,  
1971.
- "Approaches to Tri-terpene Synthesis", March 25,  
1971.
- "Proton Transfer and Hydrogen Bonding", May 26,  
1971.

- DR. J. E. BALDWIN,  
Massachusetts Institute of Technology
- DR. B. BOSNICH,  
University of Toronto
- DR. R. BURNS,  
Massachusetts Institute of Technology
- DR. D. A. BUCKINGHAM,  
Australian National University,  
Canberra, Australia
- DR. D. H. BUSCH,  
Ohio State University
- DR. A. B. CALLEAR,  
University of Cambridge, England
- DR. R. D. CHAMBERS,  
University of Durham, England
- DR. L. F. DAHL,  
University of Wisconsin
- DR. P. A. W. DEAN,  
Washington University
- DR. P. DESLONGCHAMPS,  
University de Sherbrooke, Quebec
- DR. R. S. DICKSON,  
Northwestern University
- DR. J. E. DRAKE,  
University of Windsor
- DR. R. D. GILLARD,  
University of Kent at Canterbury,  
England
- DR. H. HIKINO,  
Tohoku University,  
Sendai, Japan
- DR. H. E. HUNZIKER,  
IBM, Thomas J. Watson Research Center,  
Yorktown Heights, N.Y.
- DR. R. E. IRELAND,  
California Institute of Technology,  
Pasadena
- DR. R. B. JORDAN,  
University of Alberta
- DR. W. J. KASOWSKI,  
Michigan State University
- DR. R. E. KELLOG,  
E. I. du Pont De Nemours & Co.,  
Parlin, New Jersey
- DR. J. K. KOCHI,  
Indiana University
- DR. R. G. LAWSON,  
University of Michigan
- "Rearrangements of Dipolar Species", February 17,  
1971.
- "The Use of Pseudo-Scalar Potentials for the  
Determination of Absolute Configuration of Transi-  
tion Metal Complexes", January 8, 1971.
- "Some Spectroscopic Studies of Minerals Bearing on  
the Crystal Chemistry of Silicates", March 9, 1971.
- "Reactivity of Coordinated Substrates: Nucleo-  
philic Displacements at Saturated and Unsaturated  
Carbon Centres", March 22, 1971.
- Series of 6 lectures, June 14-25, 1971.
- Series of 6 lectures in Physical Chemistry,  
September 9-23, 1970.
- "Some Chemistry of Highly Fluorinated Nitrogen  
Heterocycles", September 18, 1970.
- Series of 4 lectures, March 8-12, 1971.
- "Recent Developments in the Chemistry of Antimony  
Pentafluoride", April 30, 1971.
- "Progress Toward the Synthesis of Ryanodine",  
January 6, 1971.
- "The Cyclic Trimerisation of Alkynes by Carbonyl-  
Cobalt Complexes", March 17, 1971.
- "Volatile Hydrides of Main Group Elements:  
a study in the use of  $^1\text{H}$  NMR Spectroscopy in  
Synthetic Problems", November 11, 1970.
- "Absolute Stereochemistries of Octahedral Com-  
pounds", April 28, 1971.
- "Selective Transannular Cyclizations", May 28,  
1971.
- "Transient Spectroscopy of Mercury Photosensitized  
Reactions", January 13, 1971.
- Series of 9 lectures on Organic Synthesis,  
April 12-30, 1971.
- "Bridging Ligand Effects in Electron Transfer  
Reactions", November 23, 1970.
- "Steric Effects in Coordination of Ligands",  
February 16, 1971.
- "Chemiluminescence from Hydrocarbon Oxidation",  
December 2, 1970.
- Series of 9 lectures - June 7-25, 1971.
- "Synthetic Applications of Alkylation-Intramolecular  
Michael Reactions", May 12, 1971.

- DR. E. C. LIM,  
Wayne State University,  
Detroit, Michigan
- DR. R. B. LONG,  
Esso Research and Engineering Co.
- DR. H. J. MARIA,  
Louisiana State University
- DR. R. W. MATTHEWS,  
U.W.O.
- DR. K. A. MCLAUCHLAN,  
Physical Chemistry Laboratory,  
Oxford University, England
- DR. J. F. NIXON,  
University of Sussex, England
- DR. E. A. OGRYZLO,  
University of British Columbia
- DR. C. S. PARAMENTER,  
Indiana University
- DR. L. W. REEVES,  
University of Waterloo
- DR. S. A. RICE,  
The James Franck Institute,  
University of Chicago
- DR. C. D. RITCHIE,  
State University of New York at Buffalo
- DR. M. W. SCHUYLER,  
National Bureau of Standards,  
Washington, D.C.
- DR. E. A. SECCO,  
St. Francis Xavier University,  
Antigonish, N.S.
- DR. O. SIIMANS,  
California Institute of Technology
- DR. J. J. SLOAN,  
Lash Miller Chemical Laboratories,  
University of Toronto
- DR. R. STEWART,  
University of British Columbia
- DR. F. STUHL,  
Fuel Sciences Department,  
Ford Motor Company,  
Dearborn, Michigan
- DR. N. SUTIN,  
Brookhaven National Laboratory,  
Upton, N.Y.
- DR. D. G. SUTTON,  
Massachusetts Institute of Technology
- PROFESSOR J. THOMAS,  
University College of Wales at Aberystwyth,  
Aberystwyth, Wales
- "Electronic Relaxation of Molecules with Non-Bonding Electrons", January 28, 1971.
- "Separation of Unsaturation by Complexing with Solid Cuprous Chloride", December 3, 1970.
- "Electronic Spectroscopy of Isoelectronic Molecules", February 12, 1971.
- "Coordination Compounds of Silver (II)", April 23, 1971.
- "Flash Photolysis ESR Studies of Transient Radicals; Chemically Induced Dynamic Electron Polarization", March 10, 1971.
- "Synthesis and NMR Studies of Fluorophosphine-metal Complexes", May 7, 1971.
- "Singlet Molecular Oxygen", November 18, 1970.
- "Excited State Decay in Benzene", October, 1970.
- "The Applications of Multisite Chemical Exchange in NMR to Organic & Inorganic Systems", June 15, 1971.
- Series of 3 lectures - November 4, 5, 6, 1970.
- "Cation-Anion Combination Reactions", February, 4, 1971.
- "Single Vibronic Level Fluorescence from Isolated Benzene Molecules", February 19, 1971.
- "Thermal Decomposition of Metal Hydroxy Compounds", May 5, 1971.
- "Vibrational & Electronic Spectra of Sulphur Analogues of Acetylacetone", April 13, 1971.
- "Some Techniques for the Investigation of Gas Phase Reaction Dynamics", February 15, 1971.
- "Ionization and Hydration Equilibria", June 10, 1971.
- "Reactions of Triplet Oxygen,  $O(^3P)$ , and of Singlet Molecular Oxygen,  $O_2(^1\Sigma)$ , in Pulsed Ultraviolet Photolysis", February 10, 1971.
- "Mechanisms of Some Electron Transfer Reactions Involving Transition Metal Ions", July 15, 1970.
- "CO<sub>2</sub> Laser Experiments with SF<sub>6</sub>", March 1, 1971.
- Series of 6 lectures on Crystal Defects and Chemical Reactivity of Solids - March 9-25, 1971.



DR. M. TOPP,  
Bell Laboratories,  
Murray Hill, New Jersey

"Some Recent Applications of Picosecond Laser Pulses in Photochemistry", February 3, 1971.

DR. W. R. WARE,  
University of Minnesota

"Fluorescence Lifetime of Benzene Excited to Single Vibronic Levels", January 20, 1971.

DR. J. J. ZUCKERMAN,  
State University of New York at Albany

"The Elusive (p $\rightarrow$ d)- $\pi$ Bond", December 2, 1970.

#### Department of Computer Science

PROFESSOR M. A. ARBID,  
University of Massachusetts

"Transformations and Somatotomy in Perceiving Systems", February 19, 1971.

PROFESSOR J. BRZOWSKI,  
University of Waterloo

"Regular Languages and their Derivatives", January 19, 1971.

PROFESSOR J. A. GOGUEN,  
University of Chicago

"Mathematical Foundations for System Theory", February 12, 1971.

DR. M. HARRISON,  
University of California, Berkeley

"Precedence Grammars and Theory of Covers", June 23-25, 1971.

DR. N. JONES,  
Pennsylvania State University

"Bottom-Up and Top-Down Parsing", June 26, 1971.

DR. S. MARCUS,  
Visiting Professor, University of Toronto,  
from University of Bucharest, Romania

"Analytical vs Generative Models in Algebraic Linguistics", May 27, 1971.

DR. R. McNAUGHTON,  
Rensselaer Polytechnic Institute,  
Troy, New York

"Automata Theory and Formal Languages", June 8-9, 1971.

DR. M. L. MINSKY,  
Massachusetts Institute of Technology

"Current Problems in Artificial Intelligence", October 16, 1970.

DR. A. SALOMMA,  
University of Turku,  
Turku, Finland

"Formal Languages Course", May 18 - June 30, 1971.

DR. M. STEINBY,  
University of Turku,  
Turku, Finland

Computer Science 313 "Computer Logic and Design", July 1, 1970 - June 30, 1971.

DR. D. WOOD,  
McMaster University, Hamilton

"The Theory of LL(K) Grammars", June 7-18, 1971.

#### Department of Geology

DR. G. M. BANCROFT,  
Department of Chemistry,  
U.W.O.

"Mössbauer Studies of Lunar Material", March 31, 1971.

DR. R. A. BELL,  
McPhar Geophysics, Ltd., Toronto

"Evaluation of Airborne and Ground Geophysical Exploration Systems", December 8, 1970.

DR. R. BURNS,  
Massachusetts Institute of Technology

"Crystal Chemistry of Silicates", March 9, 1971.

DR. J. A. V. DOUGLAS,  
University of Ottawa

"Mineralogy and Petrography of Lunar Material", March 31, 1971.

DR. R. F. EMSLIE,  
Geological Survey of Canada, Ottawa

"Anorthositic Intrusions and Their Genesis", December 9, 1970.

DR. R. P. GOLDTHWAITE,  
Ohio State University

"Production of Glacial Deposits at Glacier Bay, Alaska", October 6, 1970.

- DR. R. HOROWITZ,  
W. Johnson Consultants,  
Perth, Australia
- DR. E. IRVING,  
Dominion Observatory, Ottawa
- DR. R. St. J. LAMBERT,  
University of Alberta
- DR. J. A. MAXWELL,  
Geological Survey of Canada, Ottawa
- DR. G. V. MIDDLETON,  
McMaster University, Hamilton
- DR. B. R. PELLETIER,  
Bedford Institute, Halifax
- PROFESSOR P. POTTER,  
Indiana University
- DR. R. A. PRICE,  
Queen's University, Kingston
- DR. E. ROEDDER,  
U.S. Geological Survey,  
Washington, D.C.
- DR. S. D. SCOTT,  
University of Toronto
- DR. G. SIMMONS,  
NASA, Houston, Texas
- PROFESSOR H. SYNNE-EDWARDS,  
Queen's University, Kingston
- DR. G. H. TAYLOR,  
Commonwealth Scientific Industrial  
Research Organization (CSIRO),  
Ryde, Sydney, Australia
- DR. J. TERASMAE,  
Brock University, St. Catharines
- "Archean of Western Australia", September 29, 1970.
- "The Origin of Marine Magnetic Anomalies",  
January 20, 1971.
- "The Malvems Igneous Complex, England, An Example  
of the Hornblende Mode of Differentiation",  
November 4, 1970.
- "Chemistry of Lunar Material", March 31, 1971.
- "Experiments in Turbidity Currents", October 14,  
1970.
- "Oceanography in the Canadian Arctic", March 8,  
1971.
- "Sandstones vs. Carbonates: Comparison", March 3,  
1971.
- "The Canadian Rockies and Structural Evolution of  
the Cordillera", February, 10, 1971.
- "Lunar Petrology of Silicate Melt Inclusions,  
Apollo 11 and 12, and Terrestrial Equivalents",  
March 31, 1971.
- FeS in Sphalerite as a Geobarometer and Possible  
Geothermometer", October 22, 1970.
- "Physical Properties of Lunar Material", March 31,  
1971.
- "The Grenville", March 4, 1971.
- "The Significance of Carbonaceous Matter in  
Certain Ores", October 8, 1970.
- "Climatic and Environmental Changes Since the Last  
Ice Age", January 13, 1971.

Department of Geophysics

- DR. E. IRVING,  
Department of Energy, Mines and Resources
- DR. G. SIMMONS,  
NASA, Houston, Texas
- "The Origin of Marine Magnetic Anomalies",  
April 1, 1971.
- "Measurement and Interpretation of Heat Flow in  
Cayman Trough", March 31, 1971.

Department of Mathematics

- PROFESSOR M. ARBIB,  
University of Massachusetts
- PROFESSOR L. S. BOSANQUET,  
University College,  
London, England
- PROFESSOR J. BRZOZOWSKI,  
University of Waterloo
- PROFESSOR J. D. COWAN,  
University of Chicago
- "Transformation and Somatotopy in Perceiving  
Systems", February 19, 1971.
- "An Introduction to Functional Analysis with  
Applications to Summability" (Summer Graduate  
Course), May 1 - September 30, 1970.
- "Regular Languages", January 19, 1971.
- "Mathematical Neurophysiology", March 4, 1971.

- PROFESSOR P. ERDOS,  
University of Waterloo
- PROFESSOR T. GANELIUS,  
University of Gothenburg,  
Sweden
- PROFESSOR T. GANELIUS,  
University of Gothenburg,  
Sweden
- PROFESSOR W. JOHNSON,  
McGill University, Montreal
- PROFESSOR I. KAPLANSKY,  
University of Chicago
- PROFESSOR S. C. KLEENE,  
University of Wisconsin
- PROFESSOR K. O. MAY,  
University of Toronto
- PROFESSOR R. MILLMAN,  
Ithaca College and Cornell University,  
New York
- PROFESSOR M. NIVAT,  
University of Paris, France
- PROFESSOR L. NOLIN,  
University of Paris, France
- PROFESSOR J. OGAWA,  
Hihon University, Japan
- PROFESSOR J. OGAWA,  
Nihon University, Japan
- PROFESSOR J. OGAWA,  
Nihon University, Japan
- PROFESSOR J. F. PERROT,  
University of Paris, France
- PROFESSOR D. ROSEMAN,  
University of Iowa
- PROFESSOR W. T. TUTTE,  
University of Waterloo
- PROFESSOR A. WILANSKY,  
Lehigh University,  
Bethlehem, Pennsylvania
- PROFESSOR A. WILANSKY,  
Lehigh University,  
Bethlehem, Pennsylvania
- PROFESSOR Y. ZALCSTEIN,  
Carnegie-Melon University, Pittsburg
- "Applications of Probability Theory to Number Theory and Combinatorial Problems", October 13, 1970.
- "Some Results Related to Weiner's General Tauberian Theorem", January 25-29, 1971.
- "The Degree of Approximation by Certain Polynomials", January 29, 1971.
- "Designs and Groups Associated with Mathieu's Groups", February 18, 1971.
- "Algebraic Number Theory", March 31, 1971.
- "The Implications of Recent Studies in Mathematical Logic", February 4, 1971.
- "Gauss: Mathematical Scientist", December 3, 1971.
- "The Geometry in Differential Geometry", January 14, 1971.
- "Translation of Recursive Program Schemes into Non-recursive Schemes", April 26, 1971.
- "Fundamental Concepts of Programming", April 26, 1971.
- "A Symptotic Theory of Estimation of the Location and Scale Parameters Based on Selected Sample Quantiles", May 10, 1971.
- "Determination of the Optimum Spacings for the Normal Distribution", May 11, 1971.
- "Determination of the Optimum Spacings for the Exponential Distribution and Some Applications", May 12, 1971.
- "Regular Languages, Finite Automata and Syntactic Monoids", April 19, 1971.
- "Knotted Spheres in  $R^3$   $R^4$ ", March 22, 1971.
- "Non-Hamiltonian Planar Maps", March 18, 1971.
- "Inclusion Theorems and Distinguished Subspaces of FK Spaces", April 19-22, 1971.
- "Algebras of Operators on a Banach Space", April 22, 1971.
- "Regular Events and their Semigroups", January 19, 1971.

Department of Physics

DR. J. BUB,  
Yale University,  
New Haven, Connecticut

"Hidden Variables and Quantum Logic", January 20, 1971.

- PROFESSOR J. CALLAWAY,  
Louisiana State University
- DR. P. CHENG,  
Northern Electric Research Corporation,  
Ottawa
- DR. W. A. CHUPKA,  
Argonne National Laboratory,  
Argonne, Illinois
- DR. D. COX,  
Communications Research Centre,  
Ottawa
- DR. J. A. DAVIES,  
Chalk River Nuclear Laboratories,  
Atomic Energy of Canada, Ltd.
- DR. K. DOLDER,  
University of Colorado
- DR. R. J. DRACHMAN,  
Goddard Space Flight Center,  
Greenbelt, Maryland
- PROFESSOR D. S. EDMONDS,  
Boston University
- PROFESSOR J. A. FEJER,  
University of California, San Diego
- PROFESSOR D. B. FITCHEN,  
Cornell University
- DR. T. FULTON,  
Johns Hopkins University
- DR. F. GILMORE,  
Rand Associates,  
Santa Monica, California
- DR. D. E. GROCE,  
JRB Associates Incorporated,  
LaJolla, California
- PROFESSOR R. R. HAERING,  
Simon Fraser University
- DR. G. HERZBERG,  
National Research Council, Ottawa
- PROFESSOR B. G. HOGG,  
University of Manitoba
- DR. J. F. HOLT,  
Wright Patterson Air Force Base, Ohio
- PROFESSOR N. R. ISENER,  
Waterloo University
- DR. K. P. JEFFERTS,  
Bell Telephone Laboratories,  
Murray Hill, New Jersey
- PROFESSOR H. P. KELLEY,  
University of Virginia
- DR. E. V. KORNELSON,  
National Research Council, Ottawa
- "Scattering of Electrons and Positrons by Simple Atoms", April 2, 1971.
- "Interface States and Transfer Properties on Semiconductor Inversion Layers", October 14, 1970.
- "Reactions of Hydrogen Molecular Ions in Specific Vibrational States."  
"Applications of Photoionization Studies to Chemical Physics."  
"Photo Processes." Weeks March 15 - March 27, 1971.
- "Scanning Electron Microscopy", January 18, 1971.
- "Channeling of MeV Positive Ions and Its Application in Solid State and Nuclear Science", March 30, 1971.
- "Collisions between Electrons and Ions", May 28, 1971.
- "Positron Interaction with Atoms", week of March 1, 1971.
- "Magnetic Resonance Experiments."  
"Development of Small Industries." Summer, 1970.
- "Excitation of Parametric Instabilities by Radio Waves in the Ionosphere", May 18, 1971.
- "Impurity - Induced Raman Scattering", May 3, 1971.
- "New Contributions to Positronium and Muonium H.F.S.", February 19, 1971.
- "Some Chemical and Hydrodynamic Problems in Air Pollution Predictions", June 11, 1971.
- "Safeguards, Neutronics and Other Things", February 8, 1971.
- "Injection Lasers", February 17, 1971.
- "Hydrogen Molecules."  
"The Interstellar Medium." Week of March 15, 1971.
- "Positron Annihilation", February 1, 1971.
- "Current State of the Art in Magneto Hydrodynamics", September 28, 1970.
- "High Power Pulsed CO<sub>2</sub> Lasers and Their Use in Exciting Molecular Gases", March 8, 1971.
- "Interstellar Molecules", June 2, 1971.
- "Recent Applications of Many-Body Perturbation Theory to Atoms and Molecules", April 5, 1971.
- "Entrapment of Helium at Point Defects in Tungsten Crystals", June 29, 1971.

DR. M. H. MACGREGOR,  
University of California, Livermore

"Classical Approach to Particle Structure",  
April 13, 1971.

PROFESSOR H. S. W. MASSEY,  
University College,  
London, England

"Problems in Positron and Electron Scattering" and  
"Development of Physical Science", week of  
October 26, 1971.

DR. H. H. MICHELS,  
United Aircraft Research Labs.,  
Hartford, Connecticut

"Expansion Methods for Electron-Atom Scattering",  
March 12, 1971.

DR. R. E. MUNN,  
Canadian Meteorological Service, Toronto

"Meteorological Interpretation of the Chemical  
Composition of Monthly Precipitation Samples",  
March 24, 1971.

MR. A. NERKEN,  
Veeco Instrument Company,  
Plainview, New York

"Service Rendered to the Scientific Community and  
to General Society by the Development of Instru-  
mentation", December 4, 1970.

DR. L. W. NORDHEIM,  
Gulf Energy and Environment, Inc.,  
San Diego, California

"The Double Hum or the Mating of the Liquid Drop  
and the Shell Model for Heavy Nuclei" and  
"Energy for Man, Past and Future", week of  
March 29, 1971.

DR. T. O'MALLEY,  
Defence Research Corporation,  
Santa Barbara, California

"Temperature Dependence of the Dissociative  
Electron-Ion Recombination", September 3, 1970.

DR. P. SAVIC,  
Gas Dynamics Laboratory,  
National Research Council, Ottawa

"Some Non-Plasma Applications of Methods in Plasma  
Physics", April 14, 1971.

DR. A. L. T. SIN FAI LAM,  
University of California, San Diego

"Electron-Hydrogen Scattering", September 25, 1970.

PROFESSOR H. M. SKARSGARD,  
University of Saskatchewan

"Current Induced Ion Heating in a Toroidal Plasma",  
November 2, 1970.

VAN KRANENDONK,  
University of Toronto

"Relativity and Gravitation", December 9, 1970.

#### Department of Plant Sciences

DR. R. G. S. BIDWELL,  
Queen's University

"Some recent experiments on photosynthesis and  
photorespiration using Acetabularia chloroplasts",  
January 15, 1971.

DR. V. W. COCHRANE,  
Department of Biology,  
Wesleyan University

"Chlamyospore development in *Fusarium solani*",  
October 16, 1970.

DR. D. E. FOSKET,  
School of Biological Sciences,  
University of California

"The role of cytokinin in the control of cell  
division in soybean callus tissue", February 19,  
1971.

DR. T. C. HUTCHINSON,  
Department of Botany,  
University of Toronto

"The physiology of edaphic ecotypes", November 30,  
1970.

DR. B. C. LU,  
Department of Botany,  
University of Guelph

"Genetic recombination in the fungus *Coprinus*",  
October 30, 1970.

DR. F. LYNEN,  
Director of the Max-Planck-Institut  
für Zellchemie,  
University of Munich

"New experiments in the area of cholesterol bio-  
synthesis", February 24, 1971.

DR. K. MARAMAROSCH,  
Boyce Thompson Institute for  
Plant Research Inc.  
Yonkers, New York

"Mycoplasma diseases of plants and insects",  
April 2, 1971.

DR. D. B. O. SAVILE,  
Canada Department of Agriculture, Ottawa

"Coordinate studies of parasitic fungi and flowering plants", March 26, 1971.

DR. W. J. WHELAN,  
Department of Biochemistry,  
School of Medicine,  
University of Miami

"A new structure for glycogen", February 24, 1971.

Department of Zoology

DR. R. EDWARDS,  
Trent University

"The Use of Preceding Weather Data for Predicting Grasshopper Out-breaks", February 3, 1971.

DR. D. W. HALTON,  
The Queen's University of Belfast,  
Belfast, Northern Ireland

"Nutrition in Parasitic Flatworms", August 12, 1971.

DR. A. L. MANSFIELD,  
Acting Director,  
Arctic Biological Station,  
Ste. Anne De Bellevue, Quebec

"Problems of the Arctic Aquatic Ecosystem",  
February 17, 1971.

DR. D. MASON,  
Department of Electrical Engineering,  
University of California, Berkeley

"A Systematic Approach to Understanding the Reasons Behind the Current Ecological Crisis",  
March 24, 1971.

DR. E. MEULEMAN,  
Department of Medical Parasitology,  
Vrije University,  
Amsterdam, Holland

"Ultrastructure of the Digestive Gland of the Snail, *Giomphalaria Pfeifferi*, with Remarks About the Influence of Its Parasite, *Schistosoma Mansoni*."

DR. R. MOSS,  
The Nature Conservancy Unit of Grouse  
and Moorland Ecology,  
Aberdeen, Scotland

"Nutrition and Population Dynamics in Red Grouse",  
October 5, 1971.

DR. IAN NEWTON,  
Waterfowl Biologist,  
Nature Conservancy,  
Edinburgh, Scotland

"The Population Ecology and Pest Status of the Bullfinch in Britain", December 3, 1970.

DR. M. M. OVAZZA,  
Office de la Recherche Scientifique  
et Technique Outre-Mer,  
Paris VIII, France

"Ecological Studies Applied to Epidemiology and Vector Control in Africa."

DR. J. E. PHILLIPS,  
Department of Zoology,  
University of British Columbia

"Active Transport Mechanisms and Renal Function in Insects", February 18, 1971.

DR. D. M. ROSS,  
Dean of Science,  
University of Alberta

"The Behavior and Interaction of Crab, Anaemones and Octopus", November 6, 1970.

DR. R. H. STINSON,  
Western Ontario Centre,  
The Ontario Institute for Studies  
in Education, London

"Man", March 31, 1971.

DR. A. M. ZIMMERMAN,  
Department of Zoology,  
University of Toronto

"High Pressure Effects on Cellular Processes",  
February 10, 1971.

FACULTY OF SOCIAL SCIENCEDepartment of Economics

PROFESSOR Z. GRILICHES,  
Department of Economics,  
Harvard University

"Estimating Production Functions from Micro Data",  
October 15, 1970.

PROFESSOR J. F. KAIN,  
Department of Economics,  
Harvard University

"Housing Market Discrimination, Homeownership and  
Savings Behavior", April 1, 1971.

PROFESSOR D. PATINKIN,  
Department of Economics,  
Hebrew University of Jerusalem,  
Jerusalem

"Monetary Theory", September 25 - October 22, 1970.

PROFESSOR A. REES,  
Department of Economics,  
Princeton University

"British Income Policy Under the Labor Government",  
January 20, 1970.

DR. F. SETON,  
Department of Economics,  
Nuffield College, Oxford

"The Soviet Economic Structure, Some Causes for  
the Retardation of Growth Rate", November 25, 1970.

PROFESSOR B. A. WEISBROD,  
Department of Economics,  
The University of Wisconsin

"The Rate of Return on Investment in Medical  
Research, with Particular Reference to Polio  
Research", November 19, 1970.

Department of Geography

ASSISTANT PROFESSOR R. F. ABLER,  
Department of Geography,  
The Pennsylvania State University

"What to do while the Isolines Converge",  
October 15-18, 1970.

ASSISTANT PROFESSOR S. BRUNN,  
Department of Geography,  
Michigan State University

"A Political Geography of the Future", October 15-18,  
1970.

CHIEF PLANNER R. L. BRYAN,  
Huron-Clinton Metropolitan Authority,  
Clinton, Ontario

"Recreational Opportunities - Urban Areas. The  
Example of the Huron-Clinton Metropolitan Authority",  
December 2, 1970.

PROFESSOR T. L. BURTON,  
School of Urban and Regional Planning,  
University of Waterloo

"Socio-Economic Determinants of Recreation Behavior",  
November 12, 1970.

PROFESSOR H. CAROL,  
Department of Geography,  
York University

"Long Range Scenario Writing in Geography",  
October 15-18, 1970.

ASSOCIATE PROFESSOR J. A. DAVIES,  
Department of Geography,  
McMaster University

"Radiation, Energy and Water Balance" and  
"Evapotranspiration", February 17-18, 1971.

ASSISTANT PROFESSOR G. O. EWING,  
Department of Geography,  
McGill University

"Application of Psychological Scaling Methods to  
Spatial Behavioral Problems", March 15, 1971.

ASSOCIATE PROFESSOR D. C. FORD,  
Department of Geography,  
McMaster University

"Karst Research in the Rockies", March 31, 1971.

MR. D. E. GUARD,  
Planning Director for the City of London,  
London, Ontario

"The New Official Plan for the City of London",  
January 13, 1971.

DR. C. I. JACKSON,  
Economic Geography Section,  
Department of Energy, Mines and Resources,  
Ottawa

"Crystal Gazing: For Fun and Profit", October 15-18,  
1970; and "The Likely Role of the Geographer in the  
Government of Canada Programs in Environmental  
Studies", March 12, 1971.

ASSISTANT PROFESSOR P. G. JOHNSON,  
Department of Geography,  
University of Ottawa

"Deglaciation of the Donjek Valley, Yukon",  
November 18, 1970.

PROFESSOR E. KENNWORTHY,  
Department of Political Science,  
Cornell University

"Social Change in Latin America", January 11,  
1971.

MR. G. MACINKO,  
Department of Geography,  
Central Washington State College,  
Ellensburg, Washington

"Scenarios: Desirable and Otherwise", October 15-18,  
1970.

MR. E. SAURIOL,  
Administrative Director,  
The Nature Conservancy of Canada, Toronto

"Work of the Nature Conservancy in Preserving  
Urban Open Space", March 1, 1971.

ASSISTANT PROFESSOR A. SEMINONS,  
Department of Sociology,  
York University

"Aspects of Demography in Latin America",  
November 23, 1970.

PROFESSOR R. V. SMITH,  
Department of Geography,  
Miami University, Oxford, Ohio

"Polarizations, Planning and the Future",  
October 15-18, 1970.

PROFESSOR J. SOMMER,  
Department of Geography,  
Dartmouth College

"Hedonopolis, Fat City and the Mobile Parasitopoli",  
October 15-18, 1970.

PROFESSOR W. WARNTZ,  
Director of Centre for Computer Graphics,  
Harvard University

"The Pattern of Patterns", October 15-18, 1970.

PROFESSOR R. I. WOLFE,  
Department of Geography,  
York University

"An Illustration of the Scenario Technique",  
October 15-18, 1970.

PROFESSOR J. WOLPERT,  
Department of Geography,  
The University of Pennsylvania

"Locational Decisions and Conflict Resolution",  
October 15-18, 1970.

PROFESSOR W. ZELINSKY,  
Department of Geography,  
Pennsylvania State University

"Personality, Free Choice and Self-Discovery:  
Some Hints Concerning the Future of Social Geog-  
raphy of the United States", October 15-18, 1970.

#### Department of History

PROFESSOR F. BURD,  
Psychology Department,  
Huron College, London, Ont.

"Jutland", February, 1971.

MR. D. CAMP,  
Dalton Camp and Associates

"Current Trends in Canadian Politics", March 4,  
1971.

PROFESSOR J. M. S. CARELESS,  
Department of History,  
University of Toronto

"Urban Life in the Canadian West before 1915."

PROFESSOR T. COCHRAN,  
Department of History,  
University of Pennsylvania

"The Increasing Control of Mass Media by Big  
Business", March 23, 1971.

PROFESSOR P. Y. DENIS,  
Department de Géographie,  
Laval University

"Argentine", March 25, 1971.

ASSOCIATE PROFESSOR J. DURAN,  
Department of History,  
Canisius College, Buffalo, N.Y.

"The Reign of Catherine the Great of Russia",  
October 5, 1970.



PROFESSOR J. EAYRES,  
Department of Political Economy,  
University of Toronto

"The Heeney-Merchant Technique for the Solution of  
Canadian-American Problems."

PROFESSOR W. FREEHLING,  
Department of History,  
University of Michigan

"The Causes of the American Civil War: A Recon-  
sideration", March 2, 1971.

ASSOCIATE PROFESSOR D. J. GOODSPEED,  
Department of History,  
Brock University

"Military Theory Between the Wars", January, 1971.

MR. J. GRANASTEIN,  
Department of History,  
York University

"Mackenzie King and the Turn to Social Welfare,  
1940-45", March 11, 1971.

ASSOCIATE PROFESSOR V. HOAR,  
Department of English,  
Michigan State University

"The On-to-Ottawa Trek", January 20, 1971.

MR. J. W. HOLMES,  
Director General,  
Canadian Institute of International Affairs,  
Toronto

"The Heeney-Merchant Technique for the Solution of  
Canadian-American Problems."

PROFESSOR D. V. LEPAN,  
Massey College,  
University of Toronto

"The Heeney-Merchant Technique for the Solution of  
Canadian-American Problems."

MR. J. LOTZ,  
Canadian Research Centre for Anthropology,  
St. Paul's University, Ottawa

"Social and Economic Dualism in the Canadian North",  
February 4, 1971.

MR. MELLAFE,  
University of Toronto  
and Universidad de Chile

"Chile, 1920-1950", February 18, 1971.

PROFESSOR H. I. NELSON,  
Department of History,  
University of Toronto

"Anglo-Russian Commercial Relations before the  
Great Revolution", February 16, 1971.

ASSOCIATE PROFESSOR D. ORLOW,  
Department of History,  
Syracuse University

"Revisionist View of the N.S.D.A.P.: The Party  
Cadres", March 10, 1971.

PROFESSOR N. PHILLIPSON,  
Centre for Historical Study and  
Intellectual History,  
Princeton University and  
University of Edinburgh

"The Age of Reason in Scotland", January 26, 1971.

PROFESSOR T. ROPP,  
Department of History,  
Duke University

"Strategy in the 20th Century", December, 1970.

PROFESSOR R. E. SCHOFIELD,  
Historian of Science,  
Case-Western Reserve University

"Newtonianism in Medicine in the 18th Century",  
October 22, 1970.

PROFESSOR W. I. SMITH,  
Acting Dominion Archivist,  
Ottawa

"Archives of the Future", January 21, 1971.

#### Department of Journalism

ASSISTANT PROFESSOR PHYLLIS WILSON,  
School of Journalism,  
Carleton University

Lecture series "Women in Newsrooms" and reporting  
in general, February, 1971.

Department of Physical and Health Education

PROFESSOR M. HOWELL,  
Faculty of Physical Education,  
University of Alberta

"The Study of History in Physical Education",  
February 3, 1971.

PROFESSOR R. KAPLAN,  
School of Physical and Health Education,  
Ohio State University

"Modern Health Problems", August 1-21, 1970.

PROFESSOR H. J. MONTOYE,  
School of Public Health,  
University of Michigan

"Modern Health Problems" and  
"Selected Epidemiological Studies"  
July 5-28, 1970.

PROFESSOR E. F. ZEIGLER,  
Faculty of Physical Education,  
University of Illinois

"The Discipline of Physical Education",  
January 27, 1971.

Department of Political Science

PROFESSOR A. BRETON,  
Institute for Policy Analysis,  
University of Toronto

"Economics of Student Unrest", November 12, 1970.

PROFESSOR M. J. GOLDSMITH,  
Institute of Local Government,  
Queen's University

"A Systems Analysis of Local Politics",  
February 12, 1971.

MR. BRIAN HADDON,  
(PhD Candidate)  
University of Toronto

"Guerrilla Movements in South Africa",  
January 11, 1971.

MRS. LORETTA HILL,  
(PhD Candidate)  
Department of Anthropology,  
Southern Illinois University

"Medieval Africa and Medieval Europe: A Case of  
Arrested Parallel Development", January 14, 1971.

PROFESSOR E. KENNORTHY,  
Department of Political Science,  
Cornell University

"Sociological Development of Latin America",  
January 11, 1971.

PROFESSOR R. J. C. PREECE,  
Department of Political Science,  
University of Waterloo

"Communism", October 6, 1970.

VISITING PROFESSOR R. SELUCKY,  
Department of Political Science,  
Carleton University

"Problems of Democratization in the Pre-invasion  
Period in Czechoslovakia in 1968", March 12, 1971.

ASSISTANT PROFESSOR J. SHINGLER,  
Department of Political Science,  
McGill University

"Modernity and Politics", November 27, 1970.

PROFESSOR D. V. SMILEY,  
Department of Political Science,  
University of Toronto

"Federalization of the Canadian Party System",  
October 23, 1970.

MR. R. URBAN,  
Director of Press Archives,  
Institute of East European Research,  
Marburg University, Marburg, West Germany

"The Political Attitude of Youth in East European  
Countries", November 5, 1970.

PROFESSOR J. W. WARNOCK,  
Department of Political Science,  
University of Saskatchewan

"International Relations as a Canadian Academic  
Discipline", March 4, 1971.

Department of Psychology

DR. A. D. BADDELEY,  
Department of Psychology,  
University of Sussex, England

"Semantic Coding and Short-Term Memory", March 5,  
1971.

PROFESSOR A. H. BLACK,  
Department of Psychology,  
McMaster University

"The Direct Control of Neural Process by Reward  
and Punishment", March 17, 1971.

PROFESSOR N. KOGAN,  
New School for Social Research,  
New York, N.Y.

"Creativity in Children", November 12, 1970.

PROFESSOR W. E. LAMBERT,  
Department of Psychology,  
McGill University

"French and English Child Training Values",  
May 26, 1971.

PROFESSOR W. J. MCKEACHIE,  
Department of Psychology,  
University of Michigan

"Undergraduate Teaching in Psychology", February 23,  
1971.

ASSOCIATE PROFESSOR J. PASCUAL-LEONE,  
Department of Psychology,  
York University

"Cognitive Development and Learning from a neo-  
Piagetian, Construct Viewpoint", January 13, 1971.

PROFESSOR N. J. SLAMECKA,  
Department of Psychology,  
University of Toronto

"Part-to-Whole Transfer in Free Recall Learning",  
April 1, 1971.

PROFESSOR A. M. SULLIVAN,  
Dean, Faculty of Junior Studies,  
Memorial University of Newfoundland

"A Structured Individualized Approach to the  
Teaching of Introductory Psychology", February 23,  
1971.

Department of Sociology

ASSOCIATE PROFESSOR A. ABU-LABAN,  
Department of Sociology,  
University of Alberta

"Education & Stratification in the Arab World",  
January 7, 1971.

MR. Y. DE JOCAS,  
Census Division,  
Dominion Bureau of Statistics, Ottawa

"Present Status of Data Output, Tabulations, and  
Tapes for Research Purposes from the 1971 Census",  
February 10, 1971.

PROFESSOR H. FALLDING,  
Department of Sociology,  
University of Waterloo

"Social Theory", March 11, 1971.

PROFESSOR F. L. JONES,  
Department of Sociology,  
The Australian National University,  
Canberra, A.C.T., Australia

"The Process of Stratification in Contemporary  
Australia", September 25, 1970.

ASSOCIATE PROFESSOR THELMA MCCORMACK,  
Department of Sociology,  
York University

"Pornographic Models and Social Structure",  
January 12, 1971.

ASSOCIATE PROFESSOR S. POLGAR,  
Department of Anthropology,  
Carolina Population Research Centre,  
University of North Carolina

"Culture and New Methods of Birth Control",  
March 31, 1971.

MR. T. R. ROBINSON,  
Economist,  
Treasury Board-Planning Division, Ottawa

"Social Indicators of Change", March 11, 1971.

DR. J. ZUBRZYCKI,  
School of General Studies,  
Department of Sociology,  
Australian National University,  
Canberra, A.C.T., Australia

"Demographic and Social Methods in the Study of  
Migration", October 1, 1970.

FACULTY OF ENGINEERING SCIENCE

- DR. J. M. ALEXANDER,  
Mechanical Engineering,  
Imperial College of Science  
and Technology
- "Recent Researches in Plasticity", March 9, 1971.
- DR. D. BOND,  
Professor of Civil Engineering,  
The Queen's University of Belfast
- "Optimizing Reinforced Concrete Structures",  
April 6, 1971.
- PROFESSOR W. W. ECKENFELDER,  
Department of Environmental and  
Water Resources Engineering,  
Vanderbilt University
- "Industrial Wastewater Treatment and Cost Trend  
Years in the Future", December 2, 1970.
- PROFESSOR N. J. FELICI,  
Electrical Engineering,  
University of Grenoble
- Gave several lectures on electrostatics to graduate  
and undergraduate students on October 11-28, 1970.
- DR. N. J. GARDNER,  
Civil Engineering,  
University of Ottawa
- "Concrete and Triaxial Stress", December 1, 1970.
- DR. J. H. HOLLOMAN,  
Consultant to the President,  
Massachusetts Institute of Technology
- "Technology and the Future of the Society",  
February 5, 1971.
- DR. D. F. JAMES,  
Department of Mechanical Engineering,  
University of Toronto
- "Funny Fluids", April 1, 1971.
- PROFESSOR R. H. MILLS,  
Department of Civil Engineering,  
University of Toronto
- "Engineering Properties of Concrete in Relation to  
the Micro-Structure of Cement Paste", March 30,  
1971.
- PROFESSOR N. MURRAY,  
Civil Engineering,  
Monash University
- "The Collapse of the West Gate Bridge (Melbourne,  
1970)", April 1, 1971.
- PROFESSOR R. PARK,  
Civil Engineering,  
University of Canterbury
- "The Behaviour of Concrete Sections and Joints  
Under Concrete Loading", March 29, 1971.
- DR. D. L. PYLE,  
Chemical Engineering,  
Imperial College of Science  
and Technology
- "The One Dimensional Flow of Fluidized Solids",  
November 17, 1970.
- DR. B. McA. SAYERS,  
Professor of Electrical Engineering,  
Head of the Engineering in  
Medicine Laboratory,  
Imperial College of Science  
and Technology
- "Exploring and Exploiting the Biological Signal",  
March 3, 1971.
- PROFESSOR R. T. SEVERN,  
Department of Civil Engineering,  
Bristol University
- "Dynamics of Dams" and  
"Dams and Their Consequences",  
April 2-5, 1971.
- DR. R. VILENCIC,  
Chemical and Biochemical Engineering,  
The University of Windsor
- "Some Engineering Problems in Fermenter Design",  
November 28, 1970.

FACULTY OF MUSIC

- PROFESSOR T. TSUTSUMI  
Professor of Cello and performer in residence since 1967.
- PROFESSOR I. BARTALUS  
Professor of Choral Music 1970-71 season.

HEALTH SCIENCESFACULTY OF NURSING

- DR. MOYRA ALLAN,  
School for Graduate Nurses,  
McGill University  
"Project: Video-Taping Nursing Situations",  
December 4, 1970.
- MISS BEVERLY M. DuGAS,  
Nursing Consultant,  
Department of National Health & Welfare  
"Studies on Nursing Manpower", January 29, 1971.
- DR. RUTH ELDER,  
State University of New York  
"How Nurses Can Actually Do Useful Research in a  
Multi-Disciplinary Project", January 22, 1971.
- DR. VIRGINIA HENDERSON,  
School of Nursing,  
Yale University  
"Nursing and Research", December 9, 1970.
- PROFESSOR BARBARA A. JOHNSON,  
University of Toronto  
"Teaching Research to Undergraduate B.Sc.N.  
Students", March 19, 1971.
- DR. RUTH MILLER,  
Queen's University  
"Use of Role Playing in Psychiatric Nursing with  
Low-Income Patients", March 26, 1971.
- DR. HARRIET H. WERLEY,  
Director, Centre for Nursing Research,  
Wayne State University  
"The Development of Nursing Research and a Nursing  
Research Centre", April 17, 1971.

FACULTIES OF MEDICINE AND DENTISTRYDepartment of Anatomy

- PROFESSOR M. COLONNIER,  
Department of Anatomy,  
University of Ottawa  
"The neuron theory and the identification of  
synapses in electron microscopy", January 25, 1971.  
"Synaptic organization of the retina and lateral  
geniculate body", January 26, 1971.  
"Synaptic patterns in the visual cortex",  
January 28, 1971.
- PROFESSOR H. FUJITA,  
Department of Anatomy,  
University of Hiroshima,  
Hiroshima, Japan  
"Fine structure of the thyroid gland, with special  
regard to the ontogenetic and phylogenetic aspects",  
January 18, 1971.

Department of Bacteriology and Immunology

- DR. WITOLD J. BRZOSKO,  
State Institute of Hygiene,  
Warsaw, Poland  
"Australian Antigen and Viral Hepatitis",  
September 29, 1970.
- PROFESSOR ROBERT A. GOOD,  
University of Minnesota  
"Progress Towards Cellular Engineering",  
October 15, 1970.
- DR. DAVID E. GREEN,  
The Enzyme Institute,  
Madison, Wisconsin  
"The Conformational Basis of Energy Transduction  
in Membrane Systems", February 26, 1971.

DR. DIETER GROSCHEL,  
Director of Microbiology  
and Infectious Diseases,  
Springfield Hospital Medical Center,  
Springfield, Massachusetts

DR. HERBERT GUTZ,  
The University of Texas at Dallas

DR. PAUL KEYES,  
Laboratory Studies Section,  
Disease Prevention & Therapeutics Branch,  
National Institute of Dental Research,  
Bethesda, Maryland

DR. DAVID G. MARSH,  
Department of Medicine,  
Johns Hopkins University

DR. J. MENDELSON,  
Division of Infectious Diseases,  
Department of Medicine,  
Jewish General Hospital  
Montreal, P.Q.

PROFESSOR BRAM ROSE,  
Department of Immunochemistry and Allergy,  
McGill University and Royal Victoria  
Hospital, Montreal, P.Q.

DR. HAROLD P. RUSCH,  
Director of the McArdle Laboratory  
for Cancer Research,  
University of Wisconsin

DR. WACLAW SZYBALSKI,  
McARDLE Laboratory for Cancer Research,  
University of Wisconsin

DR. H. D. TAUSCHEL,  
Department of Microbiology,  
School of Hygiene,  
University of Toronto

DR. LEONARD WEISS,  
Department of Experimental Pathology,  
Roswell Park Memorial Institute,  
Buffalo, New York

DR. J. L. WHITBY,  
Department of Bacteriology,  
Queen Elizabeth Hospital,  
Birmingham, England

DR. J. C. WILT,  
Department of Medical Microbiology,  
University of Manitoba

#### Department of Biochemistry

MR. J. P. BERTRAM,  
Pharmacia (Canada) Co. Ltd.,  
Montreal, P.Q.

PROFESSOR H. FRIESEN,  
Experimental Medicine,  
McGill University

MR. E. G. GODMAN,  
President, Mandel Scientific Co. Ltd.  
Montreal, P.Q.

"Genetic Resistance of Inbred Mice to Mouse  
Typhoid", February 5, 1971.

"The Mating System of Schizosaccharomyces pombe",  
October 5, 1970.

"The Infectious Nature of Dental Disease",  
February 11, 1971.

"Allergoids", February 25, 1971.

"Host Defence in Viral Disease", February 1, 1971.

"The Role of Humoral and Cellular Immune Responses  
in Disease", February 19, 1971.

"Biochemical changes during growth and differen-  
tiation in Physarum polycephalum", March 9, 1971.

"Controls of Transcription and DNA Replication  
During the Development of a Bacterial Virus",  
November 3, 1970.

"The Flagella Apparatus of Bacteria with Special  
Reference to the Flagellum of Rhodopseudomonas  
palustris", April 6, 1971.

"An Informal Discussion of Cell Interactions",  
February 5, 1971.

"Data Handling in Medical Microbiology",  
February 15, 1971.

"The Pathogenesis of Psittacosis", January 25,  
1971.

"Gel Filtration Chromatography: Theoretical and  
Practical Aspects", February 19, 1971.

"Biochemical and Immunological Evidence for the  
Existence of Human Prolactin", November 26, 1970.

"Whatman ion-exchange Chromatography", March 5,  
1971.

- DR. D. E. GREEN,  
The Enzyme Institute,  
Madison, Wisconsin
- DR. R. H. HALL,  
Chairman, Department of Biochemistry,  
McMaster University
- DR. T. HOFMANN,  
Chairman, Department of Biochemistry,  
University of Toronto
- DR. K. G. KARAGEZYAN,  
Head of the Laboratory of Lipid Research,  
Institute of Biochemistry of the  
Armenian Academy of Sciences,  
Yerevan, Armenian, U.S.S.R.
- PROFESSOR F. LYNEN,  
Max-Planck-Institut für Zellchemie,  
University of Munich, Germany
- DR. D. McCALLA,  
Department of Biochemistry,  
McMaster University
- DR. R. PETERSON,  
Division of Research,  
National Jewish Hospital & Research Center,  
Denver, Colorado
- DR. F. POSSMAYER,  
Department of Biochemistry,  
University of California, Riverside
- DR. H. P. RUSCH,  
Director,  
McArdle Laboratory for Cancer Research,  
University of Wisconsin
- MR. J. M. STAMM,  
Technical Director,  
O. H. Johns Scientific Co. Ltd., Toronto
- DR. J. UTHE,  
Fisheries Research Board, Winnipeg
- DR. G. R. B. WEBSTER,  
Research Associate,  
Robert Robinson Laboratories,  
University of Liverpool, England
- PROFESSOR W. J. WHELAN,  
Chairman, Department of Biochemistry,  
University of Miami School of Medicine,  
Miami, Florida
- Department of Pathology
- DR. W. J. BRZOSKO,  
State Institute of Hygiene,  
Warsaw, Poland
- DR. M. M. HERMAN,  
Stanford University School of Medicine
- DR. J. C. E. KAUFMANN,  
South African Institute for Medical  
Research, Johannesburg
- DR. J. SCHOCHET, JR.,  
University of Iowa
- "The Conformational Basis of Energy Transduction  
in Membrane Systems", January 26, 1971.
- "The Role of tRNA Components in Differentiation of  
Tissue", January 25, 1971.
- "Evolutionary Aspects of Zymogens", December 3,  
1970.  
April 13, 1971, to June 28, 1971.
- "New Experiments in the Area of Cholesterol  
Biosynthesis", February 24, 1971.
- "Biological Activation of Nitrofurance Derivatives",  
March 12, 1971.
- "The Interactions of Native and Denatured DNA with  
RNA Polymerase", December 11, 1970.
- "The Role of Cytidine Nucleotides in the Control  
of de Novo Phospholipids Synthesis in Rat Brain  
Cerebral Hemispheres", November 17, 1970.
- "Biochemical Changes During Growth and Differen-  
tiation in Physarum polycephalum", March 9, 1971.
- "Quantitative Aspects of Thin Layer Chromatography",  
February 11, 1971.
- "Measuring Mercury Pollution in the Environment",  
May 21, 1971.
- "Some Aspects of Sterigmatocystin and Aflatoxin  
Biosyntheses", November 16, 1970.
- "A New Structure for Glycogen", February 24, 1971.
- "Australian Antigen and Viral Hepatitis",  
September 29, 1970.
- "Electron Microscopic Studies in Neurological  
Diseases", December 8, 1970.
- "Tumors of Brain in Johannesburg area", May 25,  
1971.
- "Electron Microscopy of Brain in Metabolic Dis-  
orders", March 3, 1971.

Department of Pharmacology

DR. G. SCROOP,  
Department of Pharmacology,  
University of Melbourne, Australia

"Histamines", November 27, 1970.

Department of Physiology

PROFESSOR V. B. BROOKS,  
Department of Physiology,  
New York Medical College  
New York, N.Y.

"The Control of Movement", August 20-21, 1970,  
and January 14-15, 1971.

PROFESSOR M. COLONNIER,  
Department of Anatomy,  
University of Ottawa

"The Neuron Theory and the Identification of  
Synapses in Electron Microscopy; The Synaptic  
Organization of the Retina and the Lateral Genicu-  
late Nucleus; Synaptic Patterns in the Visual  
Cortex", January 25-29, 1971.

PROFESSOR J. W. PEARCE,  
Department of Physiology,  
University of Toronto

"The Existence and Importance of a Humoral Compo-  
nent of the Natriuresis of Extracellular Fluid  
Volume Expansion", November 30, 1970.

DR. L. T. RUTLEDGE,  
Department of Physiology,  
University of Michigan

"Spinal Cord and Spinal Reflexes; Labyrinth and  
Postural Reflexes; Cerebral Cortex - Localization  
of Function", January 25 - February 5, 1971.

PROFESSOR B. McA. SAYERS,  
Engineering, Medicine Laboratory,  
Imperial College of Science and Technology,  
London, England

"Hearing - Perception, Psychophysics and Physiology;  
The Analysis of Biological Point Process Signals",  
March 4-5, 1971.

FACULTY OF MEDICINEDepartment of Biophysics

DR. KENNETH S. COLE,  
National Institutes of Health and  
University of California

"Biophysics and a nerve impulse", May 18, 1971.

DR. GERD A. CROPP,  
University of Colorado Medical Center

"Osteogenesis Imperfecta: A Disease Not Just  
Affecting Bone", April 8, 1971.

PROFESSOR S. FREY,  
Department of Physics,  
University of Waterloo

"Interaction of Tumor Virus with Radiation Sur-  
vival of Cells", November 18, 1970.

PROFESSOR HARRY L. GODSMITH,  
The Montreal General Hospital and  
McGill University

"The Flow and Deformation of Human Red Blood Cells  
in Tubes", March 22, 1971.

PROFESSOR J. KRUVV,  
Department of Physics,  
University of Waterloo

"Interactions of Physical Agents with Synchronized  
Cells: Radiation and Radiation Repair, Cold,  
Nitrogen, etc.", November 25, 1970.

Department of Community Medicine

PROFESSOR T. W. ANDERSON,  
Department of Epidemiology & Biometrics,  
School of Hygiene,  
University of Toronto

"Water Hardness and Ischemic Heart Disease",  
May 28, 1971.

DR. B. H. G. CURRY,  
Medical Director,  
Workman's Compensation Board

"Workmen's Compensation", December 2, 1970.



PROFESSOR D. HEWITT,  
Department of Epidemiology & Biometrics,  
School of Hygiene,  
University of Toronto

"Statistical Problems in a Study of Hospital Admissions", December 11, 1970.

DR. W. H. LeRICHE,  
Head, Department of Epidemiology &  
Biometrics, School of Hygiene,  
University of Toronto

"Water Hardness and Ischemic Heart Disease",  
May 28, 1971.

DR. E. MASTROMATTEO,  
Director, Ontario Department of Health,  
Toronto

"The Occupational Environment and Illness",  
November 11-18, 1970.

Department of History of Medicine and Science

DR. T. GELFAND,  
Institute of the History of Medicine,  
Johns Hopkins University

"Pierrie Joseph Desault and the Reform of Hospital Medical Education in France in the Eighteenth Century", May 7, 1971.

PROFESSOR R. E. SCHOFIELD,  
Division of Special Interdisciplinary  
Studies,  
Case Western Reserve University

a) "Stephen Hales and Newtonian Science in the 18th Century Britain."  
b) "Stephen Hales = Iatro-Physics in Theory and Practice." October 22-23, 1970.

PROFESSOR W. D. STAHLMAN,  
Department of the History of Science,  
University of Wisconsin

"Myth and Science: A Continuum From Prehistory To Present", March 26, 1971.

Department of Medicine

DR. MICHAEL BRAIN,  
Professor of Medicine,  
McMaster University

"Micro-angiopathic Hemolytic Anemia", February 26, 1971.

DR. K. W. G. BROWN,  
Assistant Professor, Department of  
Medicine, University of Toronto,  
Director, Coronary Care Unit,  
Toronto General Hospital

"Current Status of Cardiac Arrhythmias", April 30, 1971.

DR. CHARLES CHRISTIAN,  
Professor of Medicine,  
Cornell University School of Medicine

"The Natural History of Disseminated Lupus Erythematosus", October 23, 1970.

DR. GERALD J. GLEICH,  
Department of Microbiology and Immunology,  
Mayo Clinic

"IgE and its Relation to Clinical Disease",  
January 29, 1971.

DR. RAYMOND S. KOFF,  
Assistant Professor of Medicine,  
Boston University School of Medicine

"Viral Hepatitis", May 27, 1971.

DR. J. M. MCKENZIE,  
Professor of Medicine,  
McGill University

"LATS and Hyperthyroidism", November 26, 1970.

DR. EUGENE STEAD, JR.,  
Professor of Medicine,  
Duke University School of Medicine

"Congestive Heart Failure", November 20, 1970.

DR. D. R. WILSON,  
Assistant Professor, Department of  
Medicine, University of Toronto,  
Director, Division of Nephrology,  
Toronto General Hospital

"Renal Tubular Disorders", March 26, 1971.

Department of Obstetrics and Gynaecology

PROFESSOR RONALD CHEZ,  
Teaching Aids for Students and Patients,  
University of Pittsburgh

"3 Lectures in Audio Visual Teaching methods plus special instruction in the utilization of new dept. self teaching programme", November 17-18, 1970.

PROFESSOR GORIN ENHORNING,  
Karolinska Institute,  
Stockholm, Sweden

November 27, 1970

PROFESSOR PETER HAHN,  
University of British Columbia

March 15-16, 1971.

DR. STEWART LOTT,  
Chief, Department of Radiotherapy,  
Johns Hopkins Hospital

"1. New Surgical and Radiotherapeutic techniques in treatment of early carcinoma of the Cervix.  
2. Chemotherapy of ovarian Carcioma.  
3. The after loading technique as used at Johns Hopkins."

PROFESSOR CLAIR MacLEOD,  
Department of Obstetrics and Gynaecology,  
Victoria General Hospital, Halifax

"Reproductive Endocrinology, gonadotrophin levels in various functional menstrual disorders",  
March 9-12, 1971.

DR. JACQUES RIOUX,  
Professor of Obstetrics and Gynaecology,  
Laval University

"The Infertility Patient in Family Practice",  
December 2, 1970.

Department of Paediatrics

PROFESSOR R. A. GOOD,  
Department of Pediatrics,  
University of Minnesota

"Immuno Deficiency Diseases" and  
"Progress Towards Cellular Engineering",  
October 14-15, 1970.

Department of Diagnostic Radiology

PROFESSOR G. G. COPESTAKE,  
Faculty of Medicine, University of Ottawa,  
and Ottawa General Hospital

"Living with a Gastroscope", April 23, 1971.

Department of Surgery

DR. A. W. BRUCE,  
Professor of Urology,  
Queen's University

a) "Lower Urinary Tract Infection in Males."  
b) "The Scrotal Mass."

DR. ALAN M. CLARKE,  
Sr. Lecturer in Surgery,  
University of Otago Medical School,  
Dunedin, New Zealand

"Metabolic Problems of Ileostomy Patients",  
October, 1970.

DR. V. FRANKEL,  
Assoc. Professor of Orthopaedic Surgery,  
Case Western Reserve University

"Biomechanics of the Knee Joint", January, 1971.

DR. JAMES F. LIND,  
Head, Department of Surgery,  
University of Manitoba

"Oesophageal Motility Studies in Hiatus Hernia and Cardiospasm", March, 1971.

DR. JAMES B. LITTLEFIELD,  
Professor and Chairman,  
Department of Surgery,  
St. John's, Newfoundland

"The Surgical Management of Cardiac Valvular Disease in Infancy and Childhood", May, 1971.

DR. C. BARBER MUELLER,  
Professor of Surgery,  
McMaster University

"Pre and Post-Op Care" and  
"Breast and Colon", July, 1970.

DR. ALEXANDER WALT,  
Professor and Chairman,  
Department of Surgery,  
Wayne State University

"Experiences with Hepatic Injuries", May, 1971.

FACULTY OF DENTISTRYDepartment of Oral Medicine

DR. S. J. CHIAPPONE,  
Dentist, Private Practice,  
Niagara Falls, New York

"Occlusal Correction of the Natural Dentition",  
April 28-30, 1971.

DR. J. P. COUPLAND,  
Oral Surgeon, Private Practice,  
Ottawa, Ontario

"Dental Radiology: Its Relation to Treatment  
Planning, Case Management and the Delivery of High  
Quality Dental Care", April 16, 1971.

DR. E. J. RAJCZAK,  
Dentist, Private Practice,  
Hamilton, Ontario

"Occlusal Correction of the Natural Dentition",  
April 28-30, 1971.

DR. C. H. M. WILLIAMS,  
Professor and Head,  
Faculty of Dentistry,  
University of Toronto

"Treatment of Temporomandibular Joint Disorders",  
December 11, 1970.

Department of Oral Surgery

DR. G. BEAGRIE,  
Professor and Director,  
Clinical Sciences,  
University of Toronto

"Dynamics of the Periodontal Tissues", March 5,  
1971.

DR. A. DRINNAN,  
Associate Professor,  
School of Dentistry,  
State University of New York at Buffalo

"Differential Diagnosis in Oral Surgery", April 2,  
1971.

Department of Paediatric Dentistry

DR. R. RAPP,  
Professor and Head,  
Department of Pedodontics,  
University of Pittsburgh

"Innervation of Primary and Permanent Teeth",  
March 2, 1971.

Department of Restorative Dentistry

DR. J. D. EICK,  
Associate Professor,  
Department of Dental Materials Science,  
State University of New York at Buffalo

"Dental Materials", August 19-21, 1971,  
December 1-2, 1971.

DR. R. A. HOWELL,  
Associate Professor,  
Department of Conservative Dentistry,  
University of Newcastle,  
Newcastle-on-Tyne, England

"Restorative Dentistry Under the National Health  
Plan", August 21, 1971.

DR. K. D. JORGENSEN,  
Professor and Chairman,  
Department of Technology,  
The Royal Dental College  
Copenhagen, Denmark

"Recent Research in Auto-Curing Acrylic Resins",  
November 5, 1970.

DR. R. B. ROSS,  
Director of Orthodontics,  
Hospital for Sick Children,  
Toronto, Ontario

"Facial Clefts", September 25, 1970.

DR. P. SCHARER,  
Associate Professor in Crown &  
Bridge Prosthodontics,  
School of Dentistry,  
University of Berne,  
Berne, Switzerland

"Neuromuscular Mechanisms in Occlusion",  
November 5-7, 1970.

DR. O. SYKORA,  
Associate Professor and Chairman,  
Department of Removable Prosthodontics,  
McGill University

"Complete Denture Prosthesis", April 23, 1971.

Department of Social Dentistry

DR. D. G. COBURN,  
Dentist, Private Practice,  
Hamilton, Ontario

"Dental Operating Environment and Auxiliary Utilization", February, 1971.

DR. R. L. ELLIS,  
Assistant Professor,  
Department of Community Dentistry,  
University of Toronto

"Methods of Payment for Dental Care - Dental Pre-payment", January 14, 1971.

SCHOOL OF BUSINESS ADMINISTRATION

DISTINGUISHED PROFESSOR  
R. BUCKMINSTER FULLER,  
Business Management,  
Southern Illinois University

Gillette Lecture Series (Three Lectures) -  
"The Role of the Manager on Spaceship Earth",  
March 16-17, 1971.

ALTHOUSE COLLEGE OF EDUCATION

Department of Computer Studies

MR. G. BONHAM,  
Executive Assistant to the  
Minister of Education,  
Toronto, Ontario

"Computer Studies Program", November 6, 1970.

Department of Elementary Education

MR. G. SUMMERFIELD,  
Senior Lecturer, York University,  
York, England

Lectured and participated in program of Department,  
January to April, 1971.

Department of History of Education

DR. C. CHANDLER,  
Kent State University

"American Education Today", April 19, 1971.

DR. A. DURAN, JR.,  
Canasius College, Buffalo, N.Y.

"Futurism and Historical Studies", March 17, 1971.

DR. C. GROSS,  
Michigan State University

"Comparative Studies in American Education",  
November 12, 1970.

DR. R. HART,  
Kent State University

"American Education Today", April 19, 1971.

MR. B. NEVITT,  
Ontario Development Corporation, Toronto

"Innovation and Communications", January 22-23,  
1971.

Department of Home Economics

DR. M. L. ROZENCRAZ,  
University of Connecticut

"The Social Psychology of Clothing", March, 1971.

Department of Mathematics

MR. G. BONHAM,  
Executive Assistant to the  
Minister of Education,  
Toronto, Ontario

"The Computer and Mathematics Education",  
November 6, 1970.

MR. W. D. DURANT,  
Mount Allison University

Consultant

MR. G. SCROGGIE,  
Department of Education,  
Toronto, Ontario

"Transformations in Geometry" and  
"The School Curriculum in Mathematics",  
April 20, 1971.

Department of Psychology

PROFESSOR J. DURHAM,  
Niagara University

"The Reserves of the Bruce."

CHIEF STANDING ARROW,  
Chief of Mohawk Tribe,  
St. Regus Reserve

"The Founding of the Confederacy."

Department of Physical and Health Education

DR. A. B. CHERNICK,  
DR. BERYL CHERNICK,  
London, Ontario

"Human Sexuality."

## APPENDIX F

THE DEANS' HONORS LIST, SPRING 1971

THE DEANS' HONORS LIST, SPRING 1971

The following full-time students obtained first class honors standing this year on their work toward a first degree in each Faculty.

THE FACULTIES OF ARTS, MUSIC, SCIENCE AND SOCIAL SCIENCEBrescia College

## Graduates

Atkinson, Joan Mary - London  
 Curry, Susan Barbara - Scarborough  
 Pearce, Helen-Marie - Tuscon, Arizona  
 Quinney, Margaret Ann - Burlington  
 Revington, Mary Carla Ann - Lucan  
 Ritchie, Margo Anne - London

Sanchez, Beverley-Anne Oneida - St. Lucia,  
 West Indies  
 Stewart, Mary Ellen - Ottawa  
 Strange, Nancy Elaine - London  
 Wagner, Constance Esther - Carp

## Undergraduates

Becke, Catherine - Amherst, N.S.  
 Benoit, Anita Marie Blanche - Chatham  
 Bryce, Judy Elizabeth - Sarnia  
 Bugno, Helen Josephine - Sudbury  
 Burton, Lorraine Lois - North Bay  
 Callahan, Alexe Ann - Toronto  
 Fung, Fu Chun Margaret - Kowloon, Hong Kong  
 Gaspirc, Mary Margaret - St. Thomas  
 Gazzola, Irene Mary Veronica - Port Credit

Jordan, Susan Mary - Timmins  
 Lee, Enid Leola Dunbar - St. John's, Antigu  
 Michielsen, Gerda Adriana Marcia - Parkhill  
 Narvey, Mayda Suzanne - Winnipeg, Manitoba  
 Neilsen, Louise Edith - Kingston  
 Spinney, Janet Elaine - Charlottetown, P.E.I.  
 Wade, Shirley Anne - Neenah, U.S.A.  
 Wyatt, Joan Elaine - Arva

Huron College

## Graduates

Dench, Hugh Brian Douglas - Sudbury  
 Flannigan, Gerald Lloyd - London  
 Howes, Donald Edwin - Peterborough  
 McKittrick, Moira Carolyn - Toronto  
 Munro, John Dale - London  
 Murrell, Daniel Richard - Brantford  
 Packowski, Richard Gerard - London

Payne, Harry Douglas - Ingersoll  
 Potts, Beverly Joan - London  
 Scott, Joanna - London  
 Silverthorne, James Byron - London  
 Smith, Jennifer Ethel Gwendolyn - Oshawa  
 Spragge, Susan Margaret - Toronto

## Undergraduates

Archibald, Todd Lewis - Sarnia  
 Boyer, Carol Jean - London  
 Campbell, Leslee Ann - London  
 Empey, Wilena Mary - London  
 Farnsworth, Jane Elizabeth - Glencoe  
 Frank, Christine Ellen - Lambeth  
 Hallam, Margaret Anne Selkirk - Windsor  
 Henderson, Dorothy Deane - London

Leitch, Ruth Anne - Dutton  
 Livingstone, Ruth Marie - West Lorne  
 MacDonald, Donald Leverne - London  
 Morrish, Jennifer Jean - London  
 Rothel, John - Downsview  
 Smith, Susan Margaret - Thessalon  
 Wilton, Karen Elaine - London

King's College

## Graduates

Boniferro, Fausto Peter - Sault Ste. Marie  
 Hearn, Marilyn Christine - Lucan  
 Howe, James Gregory Joseph - Willowdale  
 Intven, Henry Gerard - St. Thomas

McDonald, Basil Francis - Parkhill  
 Michielsen, Louis Joseph - Parkhill  
 Smeenk, Franciscus Cornelius - London  
 Stefanko, Steve Joseph - Sarnia

## Undergraduates

Apostle, Vivian Dianne - Sault Ste. Marie  
 Aziz, Carole Jane - London  
 Baldock, Beverley-Ann Agnes - London  
 Boomer, Elmore Otis - London  
 Boutette, David Louis - Tecumseh  
 Bucher, Loretta Anne Marie - Toronto  
 Dedic, Henrietta Anne Helen - Windsor  
 Hamilton, Joseph Anthony - Trenton  
 Hicks, Gwennyth Karen - Wawa  
 Jarmain, Julia Helen - London  
 Jones, Wendy Leigh - Blenheim  
 Kapusta, Raymond Gregory - Belle River  
 Lemmond, Donna Mae - Oakville  
 Madge, Carol Gaye Theresa - London  
 Mamela, Sandra Denise - Hamilton  
 Maychak, Marlene Anne - Hamilton

McIsaac, Michael Albert - Orillia  
 Morrissey, Mary Theresa - London  
 Nagle, Jerry John - London  
 Nowak, Theresa Irene - Hamilton  
 O'Donnell, John Joseph Patrick - London  
 Quigley, Michael Gerard John - Hamilton  
 Roth, James Alan Peter - Stratford  
 Rozinger, Alex Victor - Brantford  
 Sexton, Elizabeth - London  
 Shami, Jeanne Mary - Sault Ste. Marie  
 Sicoly, Fiore - Sault Ste. Marie  
 Urbanowicz, Christine Marie - Hamilton  
 Van der Zalm, Ann Jacqueline - Stoney Creek  
 Vizniowski, Carol Jane - Mount Hope  
 Weekes, Florence May - London

FACULTY OF ARTS

## Graduates

Abray, Lorna Jane - Islington  
 Austin, Linda Louise - London  
 Ballantine, Elizabeth Anne - Mt. Brydges  
 Barratt, Bonnie Colleen Betty - London  
 Beegan, Patricia Colleen - Pickering  
 Beharrell, William Elliott - London  
 Belcher, Wendy Anne - Weston  
 Blackie, Margaret Elizabeth - London  
 Bruckschwaiger, Renate Ursula - London  
 Coscarella, Frank - Oshawa  
 Devlin, Jane Harriet - Toronto  
 Feldmar, Katharine Lesley - London  
 Ford, Glenith Ansley - Milton  
 Forsyth, Leslie Lerena - London  
 Gabourie, Marlousje - London  
 Hardman, Joye Amelia - Warton  
 Howard, Stephanie Patricia - Ottawa  
 Johnson, Marion Rose - London  
 Jurmain, Marva Louise - London  
 Keillor, Jacqueline Gladys - London  
 Kennedy, Arlene Marie - London  
 Knudsen, Anne Marie - Belleville  
 Lamothe, Lucille Georgina - London

Leathers, Frances May - Birmingham, Michigan  
 McGregor, Shona May - Sarnia  
 Moore, Kathleen Roberta - London  
 Moysey, Elizabeth Irene Blanche - Toronto  
 Newton, Nancy Josephine - London  
 Ohland, Linda Karen - Simcoe  
 Osborne, Alphonso Alexander - St. John's,  
 Antigua  
 Parker, Norman Geoffrey - London  
 Parton, Jewell Ann - Parry Sound  
 Phair, Lana Marie - Wallaceburg  
 Plas, Jane - London  
 Pulyk, Marcia Helen - Sarnia  
 Roulet, Linda Cheryl - Downsview  
 Schaeubinger, Dorothee - London  
 Simpson, Mary Kincaid - Sarnia  
 Smith, Katharine Blakely - Willowdale  
 Spiller, Elizabeth Linda - London  
 Steiner, Christine Elizabeth - Vanessa  
 Traher, Olga - London  
 Vanhoucke, Monique Margaret - Springfield  
 Virtue, Nancy Margaret - London  
 Wilson, Marlys Lee - Kenora

## Undergraduates

Arnold, Robert James William - London  
 Arumugavadivel, Susan Margaret - London  
 Bancroft, Clifton John - St. Thomas  
 Bentham, Richard Charles - Ancaster  
 Blackwell, Judith Ann - London  
 Cameron, Wayne Grant - Niagara Falls  
 Carmichael, Lesley Margaret - Willowdale  
 Chapman, Margaret Kathleen - Ottawa  
 Chapman, Wendy Elizabeth - London  
 Copeland, Nancy Eileen - London  
 Dawson, Rosalind Bethune - Windsor  
 Derksen, Marvin Wilbert - Leamington  
 Doerner, Kathie Mary Elizabeth - Kitchener  
 Durrant, John Stuart - London  
 Edson, Nancy Lawrence - Montreal, Quebec  
 English, David Dudley - Islington  
 Erickson, Robert Andrew - Burlington  
 Evans, Elizabeth Jean - Toronto  
 Evans, Michael John - Oshawa  
 Fabris, Linda Maria - Creighton Mines

Ferris, Christa Johanna Leonard - London  
 Fursman, Nickolas William - Freeport, Bahamas  
 Gee, Linda Hazel Doreen - London  
 Geist, Birgit Sonja Katharina - London  
 Gibson, Carol Jayne - Galt  
 Gove, Anne Elizabeth - Ajax  
 Haldane, Alexandra Lynda - London  
 Halikias, Carol Ann - Toronto  
 Hendrick, Gwenneth Anne - Kippen  
 Higgins, Stephen Arthur - Espanola  
 Houghton, Nancy Jean - London  
 Houston, Constance Ann - London  
 Hurdon, David Henry - Fort William  
 Ingle, Michael Douglas - Sarnia  
 Jeffery, James William - Exeter  
 Johnston, Robert Warren - Wingham  
 Kipps, Paul Douglas - Stoney Creek  
 Koski, Raija Hellevi - Sault Ste. Marie  
 Kupnicki, Ann Helen - Oshawa  
 Kurtz, Dolores Lillian - London



Laing, Michel Anne - London  
 Lee, Frederick Brian - Listowel  
 Lewis, Linda Jean - London  
 Livingstone, Deborah Kristin - Dresden  
 Lownie, Lesley Elaine - Oshawa  
 MacDonald, Cynthia Muriel - London  
 Maki, Carol Alexis - Sudbury  
 McEneaney, George Francis - Hamilton  
 McGuire, Patrick Lambert - Chatham  
 McNamara, Mary-Anne - Toronto  
 Mills, Sharon Colleen - London  
 Moore, Lynda Suzanne - Hamilton  
 Morrison, Ruby Roberta - Sturgeon Falls  
 Orr, Nancy Adele - St. Catharines  
 Pakkert, Willemina Derkje M. - London  
 Pammatt, Nanci Gail - Peterborough  
 Pearsall, Anne Delice - Leamington  
 Pollard, Elenna Alexandra C. - London  
 Rehaag, Klaus-Dieter Kurt - London  
 Richardson, Deborah Jane - Sault Ste. Marie  
 Rintoul, Margaret Ellen - Norwich  
 Roffey, Margaret Joan - Sarnia  
 Rose, Kathy Anne - St. Catharines  
 Rosenberg, Tevya Gita - Don Mills

Schneider, Karin - Woodstock  
 Schweitzer, John Andrew - Simcoe  
 Scrimshaw, Sandelle Dawn - London  
 Sharun, Charles David - Fort William  
 Shipley, Robert Jon Meyer - London  
 Siwiec, Virginia Marianne - Toronto  
 Spohn, Mary Katherine - Waterloo  
 Staples, Florence - Stratford  
 Struthers, John Russell - London  
 Suderman, Jane Elizabeth - Guelph  
 Sykes, Robert Arthur Roderick - Sarnia  
 Szajda, Mary Helen Teresa - Orillia  
 Tanaka, Richard Eizo - Port Credit  
 Taylor, Christopher David - London  
 Thompson, Joan Louise - Ottawa  
 Thompson, Valerie Jean - Barrie  
 Walker, Glenn Colin - Alvinston  
 Watson, Jennifer Clare - Hamilton  
 Wheaton, Byron Lorne - Sudbury  
 Whelan, John Dennis - Toronto  
 Williams, Wendy Lee - London  
 Wilton, Roberta Ann - London  
 Winninger, David - London

#### FACULTY OF MUSIC

##### Graduates

Gilbert, Linda Diane - London  
 Kwasnica, Daniel George - Delhi  
 McCumber, Gary Robert - St. Catharines

Novak, Sylvia - Dorchester  
 Shewan, Bonnie Jean - Thamesford  
 Smyth, Carol Auralie - Charing Cross

##### Undergraduates

Abel, Kingsley Giles - Arva  
 Adair, Elaine Jane - Windsor  
 Bell, William Brian - Niagara Falls  
 Cooper, Robert Henry - Islington  
 Creaser, Janet Mary - New Glasgow, N.S.  
 Davidson, Pamela Dawn - Merlin  
 Duffin, Ross William - London  
 Fort, Earl Terence - Edmonton, Alberta

Glofcheskie, John Michael Gerard - Barry's Bay  
 Miller, Marion Grace - Thamesville  
 Nabert, Janice Anne Charlotte - New Hamburg  
 Polnicky, Orla May - Nipigon  
 Repar, Judith Marjorie Ann - Windsor  
 Sales, Paul Douglas - London  
 Turcotte, Denise Elaine - Guelph  
 Wylie, Susan Jean - Coldwater

#### FACULTY OF SCIENCE

##### Graduates

Armstrong, Shelley Barbara - Ottawa  
 Auckland, Margaret Louise - St. Thomas  
 Baker, Raymond Paul - Waterloo  
 Battista, Peter Felice - Toronto  
 Beaman, Robert John - Tillsonburg  
 Bollis, George Thomas - London  
 Borwein, Jonathan Michael - London  
 Brunton, William Harold - Grimsby  
 Canty, Janice Aileen - Ottawa  
 Ciavarella, Anthony Peter - Hamilton  
 Clement, Robert Young - Wallaceburg  
 Cusack, Susan Elizabeth - London  
 Cutten, Alexander Edward - Iroquois Falls  
 Dahlke, Eric George - Toronto  
 Dalrymple, Robert Walker - Smithville  
 Dunke, Margaret Louise - Kitchener  
 Eaglesham, Ruth Ellen - Guelph  
 Enns, Henry Harold - London  
 Farrell, Leslie Ruth - Windsor

Fawcett, Ruth Anne - Brantford  
 Fischer, John David - London  
 Forster, Stephen Richard - St. Thomas  
 Glassford, James Claude - Niagara-On-The-Lake  
 Goessell, Randall Ellwood - Kincardine  
 Goldstein, Sharon Lee - Toronto  
 Gonder, Margaret Louise - Willowdale  
 Gulshani, Parweez Abulkassim - London  
 Hare, Ronald Merrill - Waterloo  
 Heagy, Elizabeth Christine - London  
 Hodgins, James Albert - Willowdale  
 Hudak, David Ronald - Sarnia  
 Hughes, Katherine Elizabeth - London  
 Hughes, Peggy Lynne - Niagara Falls  
 Huyck, Honi Rae - Stoney Creek  
 Innanen, Joyce Diane - Tillsonburg  
 Jensen, Gorm Erik - London  
 Judd, Kenneth William - London  
 Krick, Martha Helen - Stoney Creek

Kristensen, John - London  
 Kritzer, Dennis Keith - London  
 Kushnir, Daniel Gregory - London  
 Lam, Wai Kwong Rita - Oakville  
 Lee, Susie Sui-Kay - Hong Kong  
 Linfield, Brian Brownlee - Goderich  
 Locke, John William - London  
 MacAulay, Peter Michael - London  
 MacDonald, Margaret Ann - Toronto  
 Maguire, Valerie Lee - Englehart  
 McCaw, Elizabeth Lynn - London  
 McKeon, Dennis Gerard Creasor - London  
 Meadows, Mavis Gail - Richmond Hill  
 Melis, Lawrence Andre Joseph - Elliot Lake  
 Mollin, Richard Anthony - London  
 Mulligan, Richard Thomas - London  
 Nancekievill, Garry Winston - London  
 Neable, Barry Wayne - Listowel  
 Neable, Bruce - London

Newbegin, Barbara Joan - London  
 Nicolucci, Sandra Lee - London  
 Oates, David Julian - Willowdale  
 Orsini, Martin Anthony Joseph - London  
 Popovich, Michael Allan - Rodney  
 Rowe, Charles David - Toronto  
 Rowe, Jane Christine - Toronto  
 Schaefer, John David - Toronto  
 Scott, Darryl Isaac - London  
 Sherman, William Thomas - South Porcupine  
 Shuster, Igor Jerry - Sarnia  
 Steinhoff, Gary Edward John - Kitchener  
 Stevens, Edith Dianne - Stratford  
 Sylvester, Marilyn Ruth - St. Catharines  
 Thornton, William Ward - London  
 Tilsworth, Margaret Eva - Toronto  
 Vauthier, Timothy Charles - Echo Bay  
 White, Dorothy Jean - Agincourt  
 Woodham, Robert James - Ottawa

#### Undergraduates

Ahman, Frank Walter - Niagara Falls  
 Aldis, Ann Elizabeth - London  
 Allen, Richard William - Sarnia  
 Almond, Richard George - Thunder Bay  
 Andrejicka, Stephen Emil George - Windsor  
 Angehrn, Patricia Ann Marie - Thamesford  
 Arnold, Robert Douglas - London  
 Bagnall, Stephen James - London  
 Bain, Sheila Elizabeth - London  
 Bates, Gordon Steven - London  
 Battista, Domenic John - Toronto  
 Bawden, Brian Russell - London  
 Beattie, Robert Alan - London  
 Benedict, Richard Robert - Searchmount  
 Benjamin, James Anthony - Beachville  
 Berney, Wayne - London  
 Bocking, John Kenneth - London  
 Borwein, Peter Benjamin - London  
 Bowie, Paul Richardson - Ottawa  
 Bowman, Diane Marie - Hamilton  
 Britton, Robert Stewart - Guelph  
 Brodsky, Leonard Howard - Guelph  
 Brooks, Bruce Douglas - Willowdale  
 Brown, Peter Maurice - Wallaceburg  
 Browne, Hilderich John - London  
 Campbell, Andrew Frederick - Hamilton  
 Campling, Barbara Grace - Kingston  
 Casper, Cynthia Jane - Leamington  
 Catton, Patricia Ann - Windsor  
 Chamberlain, Robert John - Arnprior  
 Chan, Anthony Cho Lai - Kowloon, Hong Kong  
 Chan, Tak-Sum Vincent - Kowloon, Hong Kong  
 Cheng, Lai-Ha Cecilia - Hong Kong  
 Cheyne, Stephen James - Ajax  
 Choo, Soo Chen - Kuching, Malaysia  
 Chung, Hon Kit - Wanchai, Hong Kong  
 Chung, Kin Pong - Kowloon, Hong Kong  
 Clarke, Annabel Nora - Ewarton, W.I.  
 Cleary, Michele Mary - Windsor  
 Coles, John Gordon - Arva  
 Cooper, John Andrew William - Tillsonburg  
 Crews, Elizabeth Wendy Warren - Trenton  
 Crowe, Richard Alan - Oakville  
 Cruickshank, Barbara Elizabeth - Corunna  
 Cruickshank, Blaine Robert - Owen Sound  
 Daynard, Heather Margaret - Staffa  
 Deimling, John Peter Paul - Tecumseh  
 Demers, Carmen Suzanne Lea - Garson  
 Deroux, Jeffrey - Toronto  
 Dibenedetto, Donald Robert - Coniston

Dixon, Timothy Hugh - London  
 Dodgson, Bruce Gordon - Stratford  
 Donnelly, Martha Lou - London  
 Downs, Thomas James - London  
 Drummond, Douglas Cornell - St. Catharines  
 Elliot, Dorothy Elaine - Parkhill  
 Faccia, John - London  
 Facey, Paul Douglas - London  
 Fedkowicz, Anna - Newmarket  
 Fuller, John Gordon - Islington  
 Fung, Michael Man-Hei - North Point, Hong Kong  
 Garrioch, James Robert Nott - Windsor  
 Gerbis, Christine - Pickering  
 Goddard, John David - Hensall  
 Goodwin, Barbara Jean - Thunder Bay  
 Graham, Blair Alfred - Thunder Bay  
 Green, Terry Lynn - London  
 Gulenchyn, Karen Yvonne - Oshawa  
 Hagarty, Anne Elaine - London  
 Hampton, William Erle - London  
 Hart, Bruce Edward - London  
 Hartman, William Harry - London  
 Harvey, John Scott - Rexdale  
 Helliard, Stephen George - Fort Frances  
 Hendrie, Peter Miller - Burlington  
 Hergott, Paul Alexander - Kitchener  
 Hikida, Karen Amy - Weston  
 Hornyj, Adrian Alexander - London  
 Humeniuk, Mary Louise - London  
 Karpala, Fred - London  
 Kieraszewicz, Halina Therese - Rodney  
 Kjeldsen, Anne Grete - Bothwell  
 Krakofsky, Sheldon Leonard - Toronto  
 Kryn, Edward - Woodstock  
 Leith, Mark Geoffrey - Montreal, Quebec  
 Lenz, Frederick Arthur - Burlington  
 Leung, Christopher Ping-Hung - North Point,  
 Hong Kong  
 Leung, Daniel Ping Man - North Point,  
 Hong Kong  
 Leung, Gregory Hai Yeung - Kowloon, Hong Kong  
 Li, Shiu Kang - Kwun Tong, Hong Kong  
 Lyon, Catherine Mary - London  
 MacDonald, Charles Robert - Willowdale  
 MacKay, Donald Gordon - Port Elgin  
 MacKey, Heather Anne - Willowdale  
 Macko, Sharon Lynn - Windsor  
 MacLean, Ian James - Ottawa  
 Marko, Murray Anthony - Deep River  
 Martin, Jim Scott Bradley - London

Martin, Louise Alice - Etobicoke  
 Matthias, Renate Gisela Luise - Midland  
 Mayr, Barbara Josephine Andrea - London  
 McAlister, Neil Harding - London  
 McDonald, John Wayne - Paris  
 McFee, Anne Pauline - Erin  
 McGarry, Thomas George - London  
 McKay, Margaret Elizabeth - St. Thomas  
 McKenzie, Grant - London  
 McLaren, Maurice Donald - Corbyville  
 McLean, David Alexander - Arthur  
 McMullen, William Randall - Essex  
 Melynychuk, Michael - St. Catharines  
 Miller, Barry John - Mooretown  
 Mills, Allan Vincent - Stoney Creek  
 Mitchell, Margaret Marie - Eden  
 Morden, Margaret Jane Grant - London  
 Morrow, Ronald Bruce - Burlington  
 Munro, Malcolm Gordon - Woodstock  
 Murray, Joan Elizabeth - Stoney Creek  
 Musial, Alexander John - Hamilton  
 Mustard, Elizabeth Elva - Port Credit  
 Nelson, Louise Mary - Trail, B.C.  
 Ng, Chi-Shing - Wanchai, Hong Kong  
 Oldfield, Margaret Anne - Brussels  
 Oram, Robert Charles - London  
 Papp, Robert Gerald Andrew - Fonthill  
 Parkin, John Arthur - London  
 Paul, Joseph Clifford - Niagara-On-The-Lake  
 Pelz, David Michael - Islington  
 Percy, William George - Willowdale  
 Petersen, Nils Overgaard - London  
 Philbrook, Brian Paul - Toronto  
 Pokrupa, Ronald Peter - Willowdale  
 Popwich, Laurence Dale - Windsor  
 Porter, Deborah Anne - Weston  
 Pow, William Grief - Tillsonburg  
 Quinlan, Philip Leonard - Brantford  
 Rawson, Joanne Louise - London  
 Reason, Corot Clifford - London  
 Reed, Gloria Marilyn - Wingham  
 Reiss, Thomas William - St. Catharines  
 Reynolds, James Robert - London  
 Robins, Susan Lee - Stratford  
 Rogers, Margaret Eileen - Midland  
 Rose, Keith Frederick - London  
 Roth, James Hubert - Beaconsfield, Quebec  
 Rounding, Ruth Irene - Ottawa  
 Rumas, Stephen Matthew - London  
 Ryder, Nancy Helen - Delhi  
 Rytwinski, Zozislaw Stanley - Ottawa  
 Salvian, Anthony John - Orangeville  
 Sanchez, Margarita - San Salvador, El Salvador  
 Sangster, Sandra Lynne - London  
 Sawkiw, Raymond Bohdan - Sudbury  
 Scaife, Gerald Douglas - London  
 Schonberger, Lawrence Steve - Glen Meyer  
 Schori, Silvia - Stratford  
 Scott, Susan Margaret - London  
 Scott, Vivien Edith Nelson - London  
 Shadwick, William Francis - London  
 Shelley, Dianne Lynn - Mitchell  
 Sherwin, Linda Jane - London  
 Sin, Chung Pak - Causeway Bay, Hong Kong  
 Skidmore, Gary Bryan - Cochrane  
 Spurgeon, James Kenneth - Chatham Twp.  
 Stapleford, Robert Hunter - London  
 Stephenson, Grant Russell - London  
 Stiell, Ian Gilmour - Deep River  
 Tam, Esther Yuk Wah - Kowloon, Hong Kong  
 Tam, Martina Yuk-Tong - Toronto  
 Taylor, Brian Malcolm - Putnam  
 Thomas, Inez Penelope - Niagara Falls  
 Thompson, Barbara Jane - Sarnia  
 Thompson, Cristine Madeleine - Toronto  
 Toplack, Andrew Joseph Patrick - Chatham  
 Tsui, Miuhan Anna - Westhill, Hong Kong  
 Twiner, Gayle Anne Irene - Markham  
 Veenstra, Fedde - Maitland  
 Watt, Mary Deborah - Schumacher  
 Watt, William Gordon - Chibougamau, Quebec  
 Wei, Michael Ho Chi - Hong Kong  
 Welch, Robert Leslie - London  
 Wettlaufer, John Stephen - Hamilton  
 Whitley, Carol Lee - Etobicoke  
 Whitmore, Dianne Elizabeth - London  
 Williams, Robert Charles - Hamilton  
 Willinsky, Robert Allan - Sault Ste. Marie  
 Wilson, David Kenneth - London  
 Winfield, William Douglas Bruce - London  
 Winokur, Paul Michael - Windsor  
 Wong, Dean Foster - Fort Erie  
 Wong, Kue-Ching Thomas - Toronto  
 Woo, Stephen - Hong Kong  
 Woods, Judith Margaret - Brantford  
 Wooley, Brenda Alice - Thunder Bay  
 Wright, Frederick Forbes - Ajax  
 Wright, Lois Ellen - London  
 Yantha, Ernest Leonard Joseph - Killaloe  
 Yeung, Alexander Kwok-Wing - Hong Kong  
 Yu, Man Hung - Agincourt  
 Zee, Lucy Lee Kai - Causeway Bay, Hong Kong  
 Zimmerman, Nancy Diane - Welland  
 Zvagulis, Maruta - London

#### FACULTY OF SOCIAL SCIENCE

##### Graduates

Abbink, Bastiaan - London  
 Ainslie, Duncan Stuart - Windsor  
 Ankenman, Kathleen Ruth - St. Thomas  
 Antenbring, Lois Maureen - Sarnia  
 Armstrong, Ann Raye - Niagara Falls  
 Ashwell, Laurina Merle - London  
 Babbage, Leslie John - Sarnia  
 Bauman, Robert James - Agincourt  
 Bice, Megan Elisabeth - London  
 Blackwell, John Alfred - Teeswater  
 Boles, Allan Clifford - St. Catharines  
 Borlak, Gail - Willowdale  
 Cable, Patricia Lynne - Islington  
 Cooper, Nancy Elizabeth - Schomberg  
 Critchley, Sharon Louise - London  
 Decker, Barbara Lynne - Clarkson  
 Diemer, Jan Gerard Willem - St. Catharines  
 Dowden, Elizabeth Ellen - London  
 Dunning, Leslie Eleanor - Bath  
 Dust, Gerald Arthur - London  
 Farris, Robert Baldwin - London  
 Ferguson, Audrey Anne - Ripley  
 Fine, Elaine Shelly - Guelph  
 Fraser, Adrian St. Aubyn - St. Vincent,  
 West Indies  
 Gedye, Carol Anne - St. Catharines

Gignac, Paul Robert - Iroquois Falls  
 Goldenberg, Mark Christopher - London  
 Gorwill, Margaret Joan - Seaforth  
 Green, Lyndsay Ann - London  
 Gregory, Catherine Jane - Weston  
 Griesbauer, Peter Rudolf - London  
 Hamilton, Sheri Caroline - Toronto  
 Harvey, Dallace Jane - Calgary, Alberta  
 Henshall, Jacqueline Rose - London  
 Hilts, Stewart Garvie - Woodstock  
 Howard, David Earle - Fort Erie  
 Howe, Audrey Evelyn - Paisley  
 Jackson, Raymond Michael - Brockville  
 Jacob, Ronald Morris - London  
 Jenkins, William Paul - St. Catharines  
 Keegan, Penny Reid - London  
 Kindree, Keith Russell - London  
 King, June Catherine Mary - Woodham  
 Kirkpatrick, Robert David - Thorold  
 Klassen, Mary Susan - London  
 Knight, Royce William - Islington  
 Lane, Kerry Elizabeth - London  
 Lawrason, Judith Louise - St. Catharines  
 MacDonald, Victoria Lynne - Sudbury  
 Mather, Neil Wilson - Mount Forest  
 McCalla, Margaret Jean - Rochester, New York  
 McCalla, Robert Jay - Portland  
 McGregor, Bonnie Jean - St. Thomas  
 Meehan, Shelagh Maureen - London  
 Meese, Harold Eugene - London  
 Mickle, Patricia Louise - Wallaceburg  
 Morrow, Leslie Donald - London  
 Nethery, Mary Cameron - Sarnia  
 Nickason, Patricia Jacqueline - London  
 Parker, Jeanette Louise - Kerwood  
 Paterson, Anne Elizabeth - Leamington  
 Pedersen, Claire Lynne - London  
 Peterson, Daniel Sherman Arthur - Blind River  
 Pirie, John David - Don Mills  
 Ratcliffe, William David - London  
 Roper, Margaret Susan - Lively  
 Rosenberg, Marc - Don Mills  
 Sanson, Sandra Marie - Chatham  
 Saunders, Linda Susan - London  
 Schnarr, Richard Shouldice - London  
 Seigel, Mark Allen - London  
 Seigel, Rhonda Sharon - London  
 Sharpe, John Ernest - Picton  
 Shingadia, Raghunandan - Toronto  
 Simons, Gerald Dennis Edison - Warwick,  
 Bermuda  
 Snarr, Alan Gregg - London  
 Springer, Joseph Henry - London  
 Steele, Sherilyn Diane - North Bay  
 Sterk, Briony Forbes - London  
 Stoddart, Gregory Lloyd - St. Catharines  
 Stonehouse, Ronald Fred - Timmins  
 Sugerma, Albert Barry - London  
 Tannis, Geraldine - London  
 Trotter, Patricia Anne - Woodstock  
 Trotter, William Trevor Hamilton - London  
 Turner, James Ernest Armstrong - London  
 Turner, Saralee Katherine - Scarborough  
 Vincent, Harold Edmund - London  
 Walker, Catherine Louise - Lindsay  
 Waterhouse, David Elliott - Niagara Falls  
 Waters, Lawrence Edwin - Brampton  
 Wilding, Sherry Andrea - Toronto  
 Wilson, Sanders Haldane - Cooksville  
 Woods, Marilyn Edleen - Sarnia  
 Zankowski, Peter George - Cromarty

#### Undergraduates

Agius, John Andrew - Wiarton  
 Allen, William Charles - London  
 Annen, Albert - Aylmer  
 Armstrong, Randy Carl - Leamington  
 Batchelar, Brian Douglas - Sarnia  
 Batten, Joan Doris - St. Marys  
 Beaton, John Douglas - Green Bay, U.S.A.  
 Bigham, Gerald Louis - Woodstock  
 Blacklock, William James - Guelph  
 Boakes, Lesley June - Oshawa  
 Bourdon, Grant Edward - London  
 Bowden, James Edward - Port Credit  
 Brooks, Thomas William - Marmora  
 Brown, Alan Earl - London  
 Burr, Maureen Mae - Clarkson  
 Carere, Annemarie - St. Clair Beach  
 Chertkow, Joseph Paul - London  
 Clark, Greig Christopher - Thunder Bay  
 Connors, Linda Ann - London  
 Cooke, Michael Stephen Paul - Birmingham  
 Crosby, Kenneth Raymond - Nipissing  
 Crozier, Douglas Colin - Ancaster  
 Culver, Barry Richard James - Etobicoke  
 Day, Deborah Ellen - Waterloo  
 De Koning, Barbara Maude - Chatham  
 Donegan, Ginger Ruth - New Hamburg  
 Dunbar, William George - London  
 Durand, Ronald Kendrick - Exeter  
 Eagleson, Gloria Marie - Coburg  
 Elder, Joy Louise - London  
 Faris, John MacGregor - Hamilton  
 Fenske, Helen Lenore - Woodstock  
 Fischer, Dale Harold - London  
 Fisher, James Reginald - London  
 Foltz, Clarence Michael - Petoskey, U.S.A.  
 Fonberg, Eric Michael - Don Mills  
 Gallaway, Roger John - Point Edward  
 Garrod, JoAnne Lillian - Wallenstein  
 Gibson, Garry Thomas - Burlington  
 Gillett, Elizabeth Lorraine - Orillia  
 Glassford, Larry Arthur - Thamesville  
 Golec, Judith Ann - Sault Ste. Marie  
 Gompf, Laura Jacqueline - Arthur  
 Graham, Jane Elizabeth - Sarnia  
 Grand, Margaret Dawn - Chatham  
 Grant, Michael Robert - Toronto  
 Gray, Joan Elizabeth - Delhi  
 Grundy, Judith Anne - Islington  
 Guthrie, Joan Mitchell - Port Elgin  
 Harrigan, Joan Margaret - Timmins  
 Harvey, Gerard Arthur - Willowdale  
 Hatch, Linda Margaret - Islington  
 Herr, James Albert - St. Thomas  
 Hick, Sharon Anne - Toronto  
 Hill, Robert Goerge - Colborne  
 Hobbs, Gordon Samuel Wayne - Pickering  
 Howes, John Galbraith - London  
 Iler, Ray Frederick - London  
 Jonah, Brian Austin - London  
 Kadzielawa, Leona Janet - Red Rock  
 Kelly, Barbara Lynn - Espanola  
 Kemp, Gerald Geary - London  
 Kirkham, Gudrun Valeria Theresa - London  
 Knepflar, Catherine Margaret - St. Thomas

Koppert, George John - Leamington  
 Kreek, Raoul Arne - London  
 Lahey, Dale Edward - Merlin  
 Landers, Stephen - Stratford  
 Lee, Donald Robert - Wallaceburg  
 Levert, Andre Paul - Sault Ste. Marie  
 Linton, James David - Niagara Falls  
 Little, Kenneth Bradley - Ottawa  
 Loebach, Michael Francis - Woodslee  
 Lottridge, Harry Joseph - Welland  
 MacDonald, Phyllis Marie Jensen - London  
 MacHardy, Karin Jutta Elisabeth - London  
 Malhotra, Anil - London  
 McCallum, Susan Irene - Windsor  
 McLellan, Bradley Nelson - Weston  
 McNern, Norah Jane - Simcoe  
 Merritt, Susan Elizabeth - London  
 Midgley, Patricia Gale - Port Perry  
 Miller, Campbell James - St. Lambert, Quebec  
 Mirlin, George Andrew - London  
 Monette, Georges Andre - Montreal, Quebec  
 Moore, Raymond George - London  
 Muir, Richard Harding - Scarborough  
 Mumby, Peter John - Port Hope  
 Nichols, Constance Louise - London  
 Nightingale, Robert James - Waterford  
 Nixon, Richard John - Barrie  
 Noble, Phyllis Elaine - Hamilton  
 Norris, Sandra Gale - Sarnia  
 O'Dwyer, Susan Alice - Simcoe  
 O'Keefe, Susan Marie - London  
 Paget, Edwin William - Etobicoke  
 Paulseth, Peter Scott - Sudbury  
 Percy, Janet Lorraine - Toronto  
 Petrie, Robert James - Port Credit  
 Pinkett, Richard George - Sarnia  
 Preston, James Carstairs - Stratford  
 Raney, Bonnie Elizabeth - Montreal, Quebec  
 Regan, Rosemary Barbara - Toronto  
 Rice, Janet Elizabeth - Welland  
 Robson, Marjorie Anne - Oshawa  
 Roche, Thomas Earl - Deep River  
 Rotondo, Terrence Glen - Cochrane  
 Russell, Ian Charles William - Elliot Lake  
 Rutherford, Debra Lynne - Orillia  
 Salter, Diane Elizabeth - Stratford  
 Schelew, Michael Stephen - Moncton, N.B.  
 Scott, Sheila Marjorie - Willowdale  
 Seres, Elizabeth Anne - Tillsonburg  
 Shaw, Robert Alexander - London  
 Sherk, Marta Pauline - Port Colborne  
 Smith, Daniel Christian - Ottawa  
 Solomon, Sylvia - London  
 Spears, Michael Allan - Burlington  
 Spenler, Demaris Darlene - London  
 Stanko, Patricia Elaine - Thunder Bay  
 Starzynski, John Gregory - Oshawa  
 Steinberg, Ralph Brian - Dundas  
 Stiles, James Alexander D. - London  
 Stogdill, Daniel Keith - St. Marys  
 Taylor, Gerald Evelyn - West Hill  
 Thomas, Mary Winifred - Port Colborne  
 Trnka, Kathleen Rose - Woodstock  
 Van Exen, Wendy Jane - Port Credit  
 Van Hooren, Lorraine Dolores - Otterville  
 Vey, Waldtraut Elizabeth - London  
 Vitiello, Gerry - Fort Erie  
 Voegelin, Joanna Elizabeth - London  
 Wagner, Esther - Willowdale  
 Walinga, Johanna Cornelia - London  
 Wallace, William Bruce - Willowdale  
 Walther, Mariana Marlene - London  
 Ward, Douglas Keith Spencer - Oakville  
 Ward, Thomas John - Toronto  
 Weatherston, Evelyn Janetta - Waterdown  
 Weber, Lucy - St. Agatha  
 Weeks, Pauline Mary - Otterville  
 Weldrick, Patricia Anne - Kettleby  
 West, Linda Elnora - Toronto  
 Wilkinson, Stephen Frank - Willowdale  
 Wise, Rosemary Elizabeth - Oshawa  
 Wright, Gail Jocelyn - Port Credit

#### FACULTY OF NURSING

##### Graduate

Brown, Gertrude Beth - Orillia

##### Undergraduates

Bassett, Valerie Elizabeth - Don Mills	Pemberton-Pigott, Theresa Jane - Cherrywood
Biehn, Ellen Elizabeth - Georgetown	Sturtridge, Wendy Lea - Sudbury
Dovgalev, Nellie Vera - Mississauga	Tikkanen, Kaarina Violet - Sudbury
Lebert, Phyllis Angela - Watford	Walsh, Allyn Elizabeth - Hamilton
Martin, Marlene - Elmira	Wyatt, Pamela June - Elmira
McNaughton, Deborah Anne - Newbury	

#### SCHOOL OF BUSINESS ADMINISTRATION

##### Graduates

Babcock, Brian Ross - Beamsville	Lefebvre, Ronald Andrew - Ottawa
Ball, Donald Elliott - London	Lemon, Richard Henry - London
Brown, Kenneth Leslie Stewart - Toronto	Magrath, Allan James - London
De Wolf, William - London	Marshall, Elvey Bernard - London
Diamond, Michael Peter - Willowdale	Ripley, Douglas Stewart - London
Kuhlman, Arkadi - London	Roggeman, Nicolas Leon - London

## Undergraduates

Matheson, Ross John - London  
 Morrow, Glenn Richard - London  
 Moses, Robert Victor - London  
 Needham, John William - London  
 Price, Marilyn Mutchmor - London

Purkiss, John Sebastian - Fulking Henfield,  
 England  
 Roberts, Steven John - Sudbury  
 Rogers, John Wayne - Ottawa  
 Saunders, John - London  
 Watson, Richard Keith - Hamilton

FACULTY OF DENTISTRY

## Undergraduates

Hamilton, Brian David - London  
 McAulay, David John - London

Mochizuki, Keith Gregory - Hamilton  
 Robertson, Frank Alex - London

FACULTY OF ENGINEERING SCIENCE

## Graduates

Bol, Matthew Albert - London  
 Dann, Thomas Fred - Woodstock  
 Dempsey, Robert Alexander - Stratford  
 Goldschmidt, Gunther Friedrich - London

Kwandt, Peter Jurgen - St. Clair Shores,  
 Michigan  
 Savage, Peter John - Dryden  
 Walczak, Tadeusz - Sarnia

## Undergraduates

Allingham, John Bruce - London  
 Bayly, Donald Andress - London  
 Befanis, Nicholas - Toronto  
 Bohdanowicz, Alex Peter - London  
 Burling, William Ward - Huron Park  
 Chan, Fook Wah Gordon - Hong Kong  
 Chan, Kam Kwan - Hong Kong  
 Chapple, Douglas Charles - Dresden  
 Cheung, Peter Chuen Bong - Lai Chi Kok, Hong Kong  
 Cho, Man-Wai - Hong Kong  
 Evans, Ronald William - London  
 Ferrier, David Allan - London  
 Gonder, John Russell - London  
 Henderson, Robert John - London  
 Ho, Chung-Kwong Anthony - Hong Kong  
 Holmes, Craig Douglas - London  
 Howell, John Frederick - London  
 Inman, Peter William - London  
 Killing, Steven - London

King, John Peter Charles - London  
 Koba, Harry - London  
 Lai, Chun Wah David - Wanchai, Hong Kong  
 Lai, Shing Sham Roy - Happy Valley, Hong Kong  
 Leung, Kui Kit - Lai Chi Kok, Hong Kong  
 Leung, Stephen King-Yu - Toronto  
 Li, Hoi Chi Siegfried - Happy Valley,  
 Hong Kong  
 Ling, Sumner Chi-Ming - Woodstock  
 Love, Thomas Alex - Parkhill  
 Perry, Carol Susan - St. John, N.B.  
 Rutledge, James Allen - London  
 Sandford, Paul Gregory - London  
 Shaked, Moshe - London  
 Smith, David Alan - Ottawa  
 Wong, Wai Kit - Ma Tau Wai Estate, Hong Kong  
 Woods, David Murray - London  
 Yeun, Tak Cheung - Toronto  
 Yip, Henry Ching-Lin - Kowloon, Hong Kong

FACULTY OF LAW

## Graduates

Birnbaum, Arthur - London  
 Campbell, John Cullen - London  
 Cruickshank, David Alexander - Galt  
 Eberts, Mary Anne - London  
 Lisowski, Janusz Ryszard - London

McLaren, Richard Henry - Hamilton  
 McLeod, James Gary - London  
 Ross, Daniel Robert - London  
 Wright, Andrew Charles - London

## Undergraduates

Brock, Allan Douglas - Arkona  
 Buck, Charles Richard - Waterloo  
 Cassino, Douglas Peter - London  
 Collier, Terrence James - Willowdale  
 Cudmore, Gordon Douglas - London  
 Dangelo, Thomas Anthony - Hamilton

Daniliunas, Marija Jurate - London  
 Dewsnap, Richard Joseph - London  
 Elwood, Edward Lindsey - London  
 Forbes, Robert Earl - Harriston  
 Grant, Richard Frank - Toronto  
 Hall, Robert Owen - Huntsville

Harvey, Peter Eugene - Scarborough  
 Hiltz, David Gerald - London  
 Lipman, Allan Larry - Downsview  
 Loughheed, Alice-Anne Edith - Toronto  
 Mansell, Gregory John - London  
 McNamara, Daniel Jerome - London  
 Miller, William James - London  
 Morlock, Kenneth Charles - London

O'Donnell, James Robert - Simcoe  
 Pellarin, Maurice Paul Mark - Sault Ste. Marie  
 Sleightholm, Ronald Stuart - London  
 Sutherland, Alan Randell - London  
 Tesis, Stanley Cecil - Downsview  
 Tonge, John Murray - London  
 Van Dop, Richard Teunis - Arva

#### FACULTY OF MEDICINE

##### Graduates

Bourne, Robert Barry - Elliot Lake  
 Burchell, Frederick Philip - London  
 Byrick, Robert John - London  
 Chapman, Dennis Ross - Agincourt  
 Finley, Richard John - Meaford

Keast, Susan Deborah - London  
 May, Norman Chalmers - London  
 Rathbun, Flora Jamieson - London  
 Slipacoff, Daniel - Sarnia  
 Veenstra, Jacob - London

##### Undergraduates

Aldis, Hugh Warren - London  
 Bains, Margaret Amare - Port Alberni, B.C.  
 Beecroft, Wayne Arthur - London  
 Blacklock, Sharon Marie - Arva  
 Bowman, Catherine Emily - Richmond Hill  
 Boyd, David Barry - Penetanguishene  
 Bright, Susan Elizabeth - Sudbury  
 Bromberg, Evelyn - London  
 Bruce, Carol Elizabeth - London  
 Cairncross, John Gregory - London  
 Casper, Robert Frederick Joseph - Leamington  
 Casteels, Suzanne Maria - Peterborough  
 Cooper, Paul Edward - Windsor  
 Corrin, Nancy Elizabeth - Lucknow  
 Cumming, Alice Mildred - Port Elgin  
 Del Maestro, Rolando Fausto - Petrolia  
 Drobac, Milutin - Windsor  
 Gatien, Raymond Alfred - Cornwall  
 Graydon, John William - Islington  
 Haddad, Richard Gordon - Sudbury  
 Harper, Kathleen Mary - London  
 Hartwick, Karl Robert - London  
 Kadrie, Hytham Ali - London

Kelton, John Greenhow - Windsor  
 Lam, Man Lung (Arthur) - Wanchai, Hong Kong  
 Lee, Eng Hin - Penang, Malaysia  
 Long, Barry Herbert - London  
 Marchuk, Jon Blair - London  
 Patrick, Lawrence Thomas - Windsor  
 Paul, Margaret Ellen - Fergus  
 Peck, Brenda Sue - River Canard  
 Phibbs, Garth David - Leamington  
 Pullen, Brock Leslie - Toronto  
 Punthakee, Dinshaw - Hamilton  
 Richardson, Bryan Stanley - Wallaceburg  
 Saunders, Paula Maureen - Ottawa  
 Sawa, Gordon Michael - London  
 Scott, Anne - London  
 Taylor, John Charles - Sarnia  
 Thompson, Maureen Elizabeth - St. George  
 Vanrosendaal, Guido Maria Alphonse - London  
 Verma, Yash Pal - London  
 Warren, Kenneth George - London  
 Webster, Randall James - Burlington  
 Witherspoon, Sandra Ellen - London

APPENDIX G

REGISTRATION



REGISTRATION - 1970-71

	Full-Time		Part-Time		Total		Total
	Men	Women	Men	Women	Men	Women	
<u>Faculty of Arts:</u>							
General	255	682	11	49	266	731	997
Honors	150	272	6	17	156	289	445
Total							1,442
<u>Faculty of Social Science:</u>							
General	2,035	1,227	28	51	2,063	1,278	3,341
Honors	565	276	12	15	577	291	868
Total							4,209
<u>Faculty of Science:</u>							
General	1,192	522	29	9	1,221	531	1,752
Honors	411	142	14	9	425	151	576
Total							2,328
<u>Faculty of Music:</u>							
General	18	26	1	1	19	27	46
Honors	98	130	1	3	99	133	232
Total							278
<u>Other Faculties:</u>							
School of Business Administration	212	9			212	9	221
Faculty of Dentistry	128	4			128	4	132
Faculty of Engineering Science	440	2	4		444	2	446
Faculty of Law	350	23			350	23	373
Faculty of Medicine	292	99			292	99	391
Faculty of Nursing	1	175		4	1	179	180
Total							1,743
<u>Affiliated Colleges:</u>							
Brescia College	1	274		12	1	286	287
Huron College	292	228	3	4	295	232	527
King's College	414	287	11	23	425	310	735
Total							1,549
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Total Undergraduates	6,854	4,378	120	197	6,974	4,575	11,549
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<u>Faculty of Graduate Studies:</u>							
Arts	140	72	11	21	151	93	244
Biosciences	237	85	6	5	243	90	333
Sciences	328	20	21	5	349	25	374
Social Sciences	690	175	16	46	706	221	927
Total Graduates	1,395	352	54	77	1,449	429	1,878
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Althouse College of Education	372	372	1		373	372	745
<hr/>							
Total Intramural	8,621	5,102	175	274	8,796	5,376	14,172
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<u>Extramural &amp; Summer Session:</u>							
Correspondence			44	91	44	91	135
Extension			1,337	1,507	1,337	1,507	2,844
Summer Session			1,684	1,481	1,684	1,481	3,165
ACE (Summer)			561	212	561	212	773

## APPENDIX H

FULL-TIME ENROLMENT IN UNIVERSITIES AND COLLEGES OF CANADA

FULL-TIME UNIVERSITY-GRADE ENROLMENT AT CANADIAN UNIVERSITIES

AND COLLEGES, 1969-70 AND 1970-71

1969-70	Undergraduate	Graduate	Total
Newfoundland	4,909	248	5,157
Prince Edward Island	1,566	-	1,566
Nova Scotia	13,091	1,035	14,126
New Brunswick	9,008	600	9,608
Quebec	59,988	6,555	66,543
Ontario	91,484	13,458	104,942
Manitoba	14,850	1,464	16,314
Saskatchewan	14,123	686	14,809
Alberta	25,002	3,012	28,014
British Columbia	28,992	3,173	32,165
<b>CANADA</b>	<b>263,013</b>	<b>30,231</b>	<b>293,244</b>
1970-71	Undergraduate	Graduate	Total
Newfoundland	6,045	333	6,378
Prince Edward Island	1,755	-	1,755
Nova Scotia	14,407	1,132	15,539
New Brunswick	9,966	594	10,560
Quebec	53,832	7,278	61,110
Ontario	103,444	14,811	118,255
Manitoba	15,235	1,413	16,648
Saskatchewan	13,790	745	14,535
Alberta	25,233	3,210	28,443
British Columbia	26,631	3,656	30,287
<b>CANADA</b>	<b>270,338</b>	<b>33,172</b>	<b>303,510</b>