

THE PRESIDENT'S REPORT, PART 2

FOR THE ACADEMIC YEAR ENDED

JUNE 30, 1974

THE UNIVERSITY OF WESTERN ONTARIO  
LONDON CANADA

CONTENTS

	Page
Report of the President and Vice-Chancellor	4
Report of the Vice-President (Academic) and Provost	50
Report of the Vice-President, Administration and Finance	64
Report of the Acting Vice-President, Health Sciences	68
Report of the Secretary of Senate	73
Report of the Registrar	80
Report of the Acting Comptroller	86
Report of the Dean, Faculty of Graduate Studies	90
Report of the Dean, Faculty of Arts	104
Report of the Dean, School of Business Administration	118
Report of the Dean, Faculty of Dentistry	129
Report of the Dean, Faculty of Education	148
Report of the Dean, Faculty of Engineering Science	160
Report of the Dean, Faculty of Law	169
Report of the Dean, School of Library and Information Science	179
Report of the Dean, Faculty of Medicine	186
Report of the Dean, Faculty of Music	196
Report of the Dean, Faculty of Nursing	203
Report of the Dean, Faculty of Physical Education	208
Report of the Dean, Faculty of Science	229
Report of the Dean, Faculty of Social Science	236
Report of the Principal, Brescia College	257
Report of the Principal, Huron College	259
Report of the Principal, King's College	263

Report of the Director of Libraries	267
Report of the Director, Department of Summer School and Extension	282
Report of the Executive Secretary, Office of International Education	292
Report of the Executive Secretary, Council for University Theatres and Art	298
Report of the Director, University Computing Centre	309
Report of the Director, Council on Animal Care	311
Report of the Director, Centre for Radio Science	316
Report of the Director, Academic Counselling Service	319
Report of the Secretary, Joint McIntosh Committee	324
Report of the Director, Department of Alumni Affairs	337
Report of the Director, Department of University Relations and Information	339
Report of the Honorary Curator, Department of Indian Archeology and Pioneer Life	343
Report of the Director, Department of Information Analysis and Systems	346
Report of the Director, Department of Financial Planning and Budgeting	349
Report of the Director, Department of Personnel	352
Report of the Director, Department of Physical Plant	357
Report of the Coordinator, University Students' Services	363
Report of the Chairman, President's Medals	375
University Publications: Appendix "A"	376

18 February 1975

Report of the President and Vice-Chancellor

D. Carlton Williams

In retrospect, the academic year 1973-74 may be seen as a period of fulfilment and renewal, tempered with grave financial and allied concerns for the future.

The University of Western Ontario Act, 1974, the fulfillment of seven years' experience and five years of intensive committee work, came into being as a new, broader basis for participative governance at this University. Our previous Act of 1967 was a model for its time and served us well. Its provisions and general philosophy influenced many subsequent university acts in Ontario and elsewhere in Canada. Its practical success persuaded us to broaden the base of representation in the governing structure and to reaffirm our commitment to the system. Hence the 1974 Act made provision for both student and non-academic staff representation on the Board of Governors while increasing the number of students on the Senate from three to twelve.

For the very reason that our concerns are so great with it, it is easy to forget that a University Act is a legislative, not an academic instrument. It was for this reason that the Ministry of Colleges and Universities took a lively interest in the new Act; we are indebted to their

experts and consultants for many helpful suggestions and advice, all designed to eliminate ambiguities and bring the Act's details in line with government policy.

Both the Board of Governors and the Senate felt uneasy about one government inspired provision of the Act - namely, that all members of the Board of Governors must be Canadian citizens. The University found itself differing in principle with the government on this question. Clearly the government, and indeed the mood of the Legislature, strongly favours the principle that all members of all Boards of Governors of all Ontario Universities should be Canadian citizens. The reasons given are that since the substantial sums expended by universities come largely from the Canadian taxpayer, Canadian citizens would, it was thought, be more responsible and more directly accountable for how the money is spent.

The University opposed this on the grounds that discrimination on the basis of nationality is to be avoided because University governors should be chosen from among the best qualified people available, regardless of nationality. We were also reluctant to compromise this moral position lest some future government cite our agreement as a precedent applicable to the possible extension of the nationalistic criterion to eligibility to hold office in the University, etc.

The matter was resolved with the acquiescence of all concerned

by Mr. Gordon Walker, M.P.P., London North who, in sponsoring the Bill, himself moved the Canadian citizenship amendment. This clearly achieved the government's will in the matter, but it also preserved the position of the University, since it was Mr. Walker and not the University who put the section into the Act.

I am especially gratified that as one of her first official duties Her Honour, the Lieutenant-Governor of Ontario, Dr. Pauline McGibbon, signed the document of proclamation which brought the new U.W.O. Act into being. Since Section 41 of that Act names the Lieutenant-Governor as Official Visitor to the University, the coincidence could hardly have been happier.

The road which led to this highly satisfactory event was, however, a long and tortuous one, fraught with the difficulties, frustrations and delays inherent in participatory government, but crowned also with the achievement of an Act which is not only good, but is seen to be good - outcomes that today, only that same participatory mode could bring about.

There has been no serious debate for years over the advisability of having students on the Board or of increasing their numbers in the Senate. The questions have been those of numbers and machinery - how many students should there be on each of these bodies and how should they be elected?

The Board speedily agreed that since we already had four faculty

members and this number was generally regarded as reasonable, there should be three students - two undergraduates and one graduate member.

The real question arose in the Senate where the "numbers game" became a persistent and recurring problem, precipitating as it did the difficulty of retaining the relative strength of the faculty without ending up with an abnormally large and unwieldy Senate.

The final resolution of these problems consisted of establishing "constituencies" based on faculty size and student enrolment and with a corresponding range in the number of Senators (faculty and students) to be elected from each. This at a stroke preserved the basic structure of the Senate, permitted a larger intake of students, determined the method of election, and limited the over-all size of the Senate.

This new Act, with all its changes, yet remains an "act of renewal" by the University in that we have preserved the fundamental faith in participatory government, the bi-cameral system, and the community involvement in our affairs that were enshrined in the 1967 Act.

The Institution is indebted to many people in the University community for their persistence and acuity in seeing the 1974 Act through to its completion. I would especially single out Professors P. A. Forsyth and W. R. Rayner, Chairmen of the first two Joint Board and Senate Committees to Revise the Act, and my colleagues on the President's Act Review

Committee, Professors P.D. Fleck and H. B. Stewart and the President of the University Students' Council, Mr. Jeffrey Lawrence. Without the herculean efforts of these devoted servants of the University united with those of Mr. C. F. Way, Secretary of the Board of Governors and assisted by Dr. W. C. Howell, Secretary of Senate, the 1974 Act, would not have been ready in time for legislative consideration.

### The University Dilemma

At the outset of this annual review, I alluded to grave financial and allied concerns for the future of the University. After the euphoria of the expansionist 60's and the seemingly endless public demands for student accessibility, the 70's have seen a sharply diminishing level of public support without a corresponding reduction in demand for University places and services. While the University has experienced a recent slowing down in the rate of growth of enrolment and is approaching a period of steady state budgeting, it is dismayed by the apparent reversal in public mood and attitudes towards us and our sister institutions. The politicians and the media are quick to support the myth that we pay high salaries to underemployed professors to educate activist students who hold society in contempt. The fact that these are at best wildly exaggerated and at worst grossly inaccurate depictions does not alter the public attitude.

The plight of the University today is this, that we are caught in a contradictory policy. On the one hand, we are urged to maintain the



policy of openness and accessibility, to maintain and improve the system, while on the other, we face imposed budget restrictions, both on capital and operating expenditures, plus the impact of external events, such as inflation and the alteration of government spending priorities.

At the time of writing, no indication has been received from government concerning the level of support for the 1975-76 academic year.\* Without a genuinely significant increase in the value of the Basic Income Unit, this and other Ontario universities will find themselves in desperate financial straits, unable adequately to meet equitable salary demands of faculty and staff on the one hand, and on the other, the rising costs of goods and services required. While we are cognizant of the competing demands for available government funds, we cannot continue to be left behind in the wake of the rising tide of inflation and at the same time, meet the responsibilities placed on us by current government policies on accessibility and tuition fees.

Our situation is not a recent phenomenon. The decisions we made to relieve the problems of the 60's at government instigation have come back to haunt us. There is, for example, the persistent problem of a young faculty; 70 percent are under forty-five years of age. As they mature in age and rank, they are placing increasing pressure on our salary budgets. With the decline in real revenue flows, we are on an

\* Since announced to be 7.4% increase in the Basic Income Unit or 16.3% overall.

obvious collision course dictated by our duty to do as much as we can for these more senior persons versus the necessity of finding ways to bring in juniors to maintain the health and vigor of the University. The seriousness of forcing this solution upon us at an accelerated rate is hard to over-estimate, for the government as well as for the universities.

### Unionization

The recent growth of a national movement to unionize faculty has focused our attention this year on the relative advantages and disadvantages of such a development. The Canadian Association of University Teachers has come out strongly in favour of unionization and is presently prepared to provide expert assistance to those local Faculty Associations that wish to apply for certification as bargaining agents.

The rationale for this heightened interest in a concept that was unthinkable only a few years ago, has its origins in our rapid expansion of the 60's and its present basis in the slow-down of the 70's. With many predicting and planning for steady state enrolments in the near future, some of the younger faculty see an insecure future and hence see the solidarity of the union as their best defence. Nor has the obvious political power wielded by unionized teaching organizations in this Province been lost upon them. The prospect of continuing public alienation and the resultant lack of adequate financial support for universities pose a serious threat to

them. Therefore, and however reluctantly, unionization appears to be their only protection.

Our concern and indeed alarm over these developments has even more fundamental roots. Our participatory mode of management so successfully moulded over the last seven years assumes that members of faculty are available to participate fully in all the intricacies of day to day management and in developing the policies that guide Western's destiny.

The concept of a union (faculty or otherwise) implies a band of workers, or employees bargaining with managers or employers. I neither make nor infer any value judgments on the role or functioning of unions in other environments. It is a fact, however that historically they have developed for purposes and with procedures that generally speaking, never contemplated the participative style of governance that characterizes this University. It follows that labor law is similarly unhelpful and largely inapplicable to our situation. Members of faculty and staff, now members of the Board of Governors, would find themselves in a most awkward position; it would make no sense for union members to help prepare the management budget on the one hand and then oppose it on the other. In all likelihood, the Senate Committee on Budget and Finance, would have to be dissolved and reconstituted. In all likelihood a still newer Act would be required. The prospect of abandoning our present mode of governance is, to say the least, discouraging; it has worked exceedingly well and in the best interests of all

participants. Its preservation would seem to be a matter of conscience for all members of the University community who are concerned for the future welfare of the Institution.

Our concerns about the future of this University are not limited to problems of governance and operating finances. The near-moratorium on capital financing, the growing reliance upon legalism in matters of academic compensation and promotion, along with issues arising from our aim to ensure that the status of women on campus is dealt with promptly and fairly, have each brought new and pressing problems before us, each requiring new approaches which not only are equitable but are seen to be such by all concerned.

### Status of Women

Concern for the status of women is now a movement that is international in scope. In Canada little remains of the clumsy ridicule or the later polite lip-service that characterized its beginnings. This University established its first Presidential Advisory Committee on the Status of Women in 1972. It was appointed with comprehensive terms of reference to investigate and make recommendations upon any action that could and should be made in our academic and administrative practices to ensure equal opportunity for women in all areas of University life and work. In the year under review a further President's ad hoc Committee on Women Faculty Salaries was established to determine the salary status of all women faculty in direct

comparison with male peers inside and outside the department or faculty in which they serve. It is anticipated that both Committees will report their findings and make recommendations early in 1975.

### Legalism

Perhaps nothing so sharply symbolizes the rapidity of change of attitudes in the University sphere as the growing tendency among members of faculty, both tenured and untenured, hastily to resort to quasi-judicial means to settle individual academic, contractual and salary issues. The Senate and the Board have made broad provisions for settling such grievances; comprehensive legislation based on natural justice is now set down in the Ontario Statutory Powers Procedures Act. Our concern is that academic as well as legal justice prevail. The two are not necessarily synonymous, nor does it follow that an obsessively litigious approach is to be preferred to a moral system based on mutual trust and confidence.

Legalistic proceedings are not without major expenditures in both money and the time of many members of the University community, both of which could be used more profitably in furthering the academic aims of the Institution. It is therefore, of the greatest importance that they only be undertaken when all other means of

The phenomenon of legalism is, to a large extent, a reflection of the society of which universities are part. In a word, there has been a breakdown of mutual trust and confidence, an erosion of the ethical imperatives that once were categorical in Academia. It is my firm opinion that the participatory mode of university government is the best hope for the maintenance of mutual confidence, to the degree that the instant recourse to legalism will be minimized, so that the provisions of our extensive appeal procedures become a shelter of last rather than first resort.

#### The Capital Moratorium

In October of 1972, the Government of the Province of Ontario imposed a "near moratorium" on all university capital construction. The plans of this University to rationalize its space inventory in accordance with constantly changing academic requirements were seriously impaired. Even more serious than this loss, in perspective, was the roll-back required of the University's plans for the redevelopment and coordination of existing space.

Major efforts have been mounted by the University to meet requirements associated with changing student mix, and with developing academic graduate programs as recommended through the Discipline Assessments carried out by the Advisory Committee on Academic Planning (A.C.A.P.).

For example, the student demand for training in the Basic Health Science Departments has increased some twenty-five percent over the last two academic years. The resulting rapid expansion of Biology and Chemistry registrants has pushed teaching facilities to the limit.

To accommodate these and other pressing needs, while at the same time protecting the University's longer-term ability to adjust, the Board of Governors, on the recommendation of Senate, adopted the following resolution:

"That the capital reserves of the University be protected and maintained at \$5 million minimum for the next five years (ending April 30, 1979), and that a review of this policy be undertaken at the end of two years, (April 30, 1976), and that accordingly no non-recoverable commitments be made thereon which would reduce this amount, and that earnings from the capital reserve be credited thereto and any expenditures made therefrom be within this policy ...".

Under this policy, the Board of Governors, on the recommendation of Senate, established priorities for projects based on the most urgent long-standing needs of the University. These included on a first priority basis, an addition to the Chemistry Building, an addition to the Visual Arts Building, and the new J. Gordon Thompson Recreation and Athletic Building. Renovations in the Social Science Centre and the Science Staging Building completed the list of priority projects. At the time of writing, the design stage for the Chemistry Building addition is well under way along with the

Visual Arts Building and the long-awaited J. Gordon Thompson Recreation and Athletic Building is under construction. In the case of the latter building, I am delighted to pay tribute to the highly significant contributions made toward it by the students of this University and by the generous gift of Colonel J. Gordon Thompson. Guided by the dedicated initiative of Mr. Robert Mackenzie, former President of the Students' Council, the students by a substantial majority vote, increased their activity fees over the years to a total contribution amounting to \$1.2 million, while Colonel Thompson's gift made it possible to meet the escalated costs which inevitably occur between planning estimates and the final contract price. We are deeply grateful for these acts of generosity and faith in the future of this Institution. This is a building that, when completed, will not have cost the taxpayers a penny. It is, therefore, doubly pleasant to point out that we have extensive plans to share its facilities with the surrounding community.

### Planning for the Future

A year ago, the Senate recognized the need to separate the short and long-term planning functions of the University. The establishment at that time of a Senate Committee on University Planning (SCUP) was a major step in creating those mechanisms which would be needed to determine the pattern and priorities of the University over the next ten years.



With the approval of the Board of Governors, further steps were taken this year to establish and coordinate our planning functions. Professor Andrew Grindlay of the School of Business was appointed as Executive Secretary of SCUP. His principal terms of reference include the coordination of long-term planning activities in both the academic and financial areas. Simultaneously, Professor J. H. Blackwell of the Department of Applied Mathematics, was appointed Special Assistant to the President with broad terms of reference including the collection, collation and analysis of academic and financial data and the formulation of long-term financial plans and policies derived from such data. Professor Blackwell's research will comprehend the development of profiles at faculty, division and departmental levels including such areas as age, rank, level of appointment, salaries, enrolment and its distribution at all levels of the University.

These comprehensive ongoing efforts will provide the data base which will make it possible for us to come to grips with our most pressing present problems in the light of their long-term implications.

All in all, it has been a rewarding and sobering year; rewarding in the accomplishment of the new Act and sobering as to future prospects in the areas of operational and capital financing. The manner in which all of my colleagues, academic and non-academic, have cooperated in seeking solutions to our many problems is a heartening source of pride; I am

correspondingly grateful for their continuing loyalty and creative enterprise.

If it be true that morale flourishes when we face adversity cooperatively, then

we are rich in morale if nothing else.

PERSONAL

It is with a deep sense of personal loss that all members of the University community mourn the passing of a large number of faculty, staff and distinguished friends of the University during the 1973-74 academic year: Professor T. Merritt Brown, Department of Economics, a distinguished econometrician, scholar and teacher; Mrs. Elva Brock, who for eleven years served in the Department of Alumni Affairs; Professor Charles C. Dunlop, Department of Political Science, a respected teacher and colleague; Mr. Robert W. Luke, Technical Officer in the Department of Physiology for twenty-seven years; Professor J.M. Parker Faculty of Medicine, an eminent research pharmacologist and former Head of the Department of Pharmacology; Mrs. Elizabeth E. Rennie, Secretary, Faculty of Dentistry; Mr. Otto Schoettle, Technician, in the Department of Physics; Mr. Ralph H. Speiran, Department of Food Services; and Mr. Raymond H. Thompson, Hall Clerk, Department of Physical Plant.

The University mourns the decease of several retired members of faculty and staff during this academic year: Professor James W. Burns, distinguished chemist and teacher who in his Department and subsequently in Alumni Affairs served this University with affection and loyalty for some forty-six years; Mrs. K. P. R. Neville, a long-time supporter of Western and a sessional lecturer in the Department of English for some twenty-five years; and Mr. John Shortreed, former Director of Physical Plant [1947-71], whose professional skill and integrity contributed

in a major way to Western's phenomenal physical expansion over two decades.

The University pays its final respects as well to Dr. Richard G. Ivey, former Chancellor of the University, a member of the University Board of Governors and one of Western's great friends and benefactors. The School of Business Administration Building which bears his name, the endowment of the Richard G. Ivey Chairs in Medicine and Surgery, as well as countless awards to the University from the Richard and Jean Ivey Fund and the Richard Ivey Foundation remain as monuments to his quiet philanthropy and his profound belief in the future of this University as a centre of academic excellence.

The City of London and the University were saddened by the loss of a great citizen and a former member of the Board of Governors, Mr. John H. Stevens. Mr. Stevens devoted his life and energy to the promotion and support of his City and his University. During the last ten years of his life, he concentrated his enormous organizational talent on the establishment of the University Hospital and more than any other, was responsible for bringing into being that magnificent addition to London's Health Sciences' Resources.

On behalf of all members of the University, I extend deepest sympathy to the families, colleagues and friends of each of the deceased.

Each year, the University loses several of its distinguished members by way of retirement. June 30th, 1974, marks the formal retirement of Mrs. N. S. Bernotas, a charter member of the Department of Russian Studies, who has enriched the lives of generations of admiring students; Professor George Buckley, Department of English, who labored in the vineyards of drama, speech and stagecraft for twenty-seven productive years; Professor R. H. Cole, Department of Mathematics, a distinguished scholar and mathematician whose contributions to campus life span three decades; Professor F. W. P. Jones, former Dean of the School of Business Administration and one of its founding fathers. Under his able leadership, the School of Business cemented its close relationship with the national and international business community and established the first Ph. D. program in Business Administration in Canada; Professor E. M. Horn, Faculty of Nursing, a highly respected leader in Community Nursing throughout the Province and deeply involved in the establishment of Western's four-year baccalaureate program in Nursing; and Dr. A. D. McLachlin, Professor and Head of the Department of Surgery, Faculty of Medicine, internationally distinguished surgeon, consultant and teacher and one of Canada's most highly regarded physicians. His indefatigable labors over some thirty years at Western hold the esteem and admiration of his students and colleagues. Fortunately, for the University and the community, Dr. McLachlin will remain on as professor of Surgery in University Hospital.

This academic year also marks the formal retirement,

after extraordinarily long years of devoted service to this University of Mr. D. E. Crinklaw, Director of Purchasing, who for thirty-six years met every challenge in a rapidly expanding University with diligence, consideration and amicable thoroughness; Miss E. J. Elson, Western's professional librarian-cataloguer par excellence for twenty-six years; Mr. R. R. Glover, Comptroller, who during twenty-eight years of service on campus earned the admiration and esteem of the whole University community for his unfailing integrity, professional expertise and uncommon courtesy; Mr. J. P. Metras, of late a Secondary School Liaison Officer, but better known to his thousands of friends, student-athletes and admirers as Canada's premier college football-basketball coach and Director of Intercollegiate Athletics for over thirty years; Mr. H. E. Pedersen, Technician for twenty-seven years in the Department of Biochemistry; and Mrs. J. K. Rowlands who served Athletics in the Department of Physical Education for almost a quarter century.

To each of those who retire this year, go our best wishes for a happy, active retirement.

During this academic year, there were a number of changes in senior academic positions: Dr. D. Bocking was re-appointed to another term as Dean of the Faculty of Medicine; Professor David L. Johnston was appointed Dean of the Faculty of Law succeeding Dr. R. S. Mackay and Acting Dean E. E. Palmer. Dr. E. Stabler, previously Dean of Althouse College of Education became the Dean of the new Faculty of Education, established on May 1st, 1974; Professor T. J. Casaubon was appointed Associate Dean [Administration] and Professor K. W. Kenney became Associate Dean [Academic] in the Faculty of Education; Professor Ann E. Bode was appointed Assistant Dean, Faculty of Science. Effective July 1st, 1974, she will be succeeded by Professor A. M. Wellman; Professor G. S. Rose was re-appointed to another term as Assistant Dean of the Faculty of Arts; and Professor J. A. B. Somerset succeeded Professor W. H. Stockdale as Assistant Dean [Arts and Social Sciences] in the Faculty of Graduate Studies.

Under the widely practised system of rotating chairmanships adopted by most Faculties and Schools in the University, there was a number of retirements and appointments of Chairmen and Heads of Department during the academic year. Among those retiring from Chairmanships to resume full-time teaching and research or accept other administrative responsibilities are Dr. L. L. de Veber, Paediatrics; Dr. C. G. Drake, Clinical Neurological Sciences; Dr. Charles Dyson, Ophthalmology; Professor P. D. Fleck, English; Professor W. Flint, Spanish and Italian;

Dr. A. D. McLachlin, Surgery; Professor G. Milburn, History, Faculty of Education; Professor Betty Seldon, Secretarial Science; Dr. A. C. Wallace, Pathology; and Professor C. E. Wilson, Journalism. To those retiring from their respective administrative responsibilities, the University offers sincere gratitude.

During the academic year, the Board of Governors approved appointment or re-appointment as Chairman or Acting Chairman of Dr. J. E. Boone, Paediatrics; Professor T. J. Collins, English; Dr. C. G. Drake, Surgery; Dr. J. H. Duff, Division of General Surgery, Department of Surgery; Professor D. E. Gerber, Classical Studies; Dr. R. A. Goyer, Pathology; Dr. A. C. Groom, Biophysics; Professor Andrew MacFarlane, Journalism; Professor Antonio Martí, Spanish and Italian; Dr. J. V. V. Nicholls, Ophthalmology; Dr. W. E. G. A. Spoerel, Anaesthesia; and Professor I. P. Suttie, Secretarial Science.

I am pleased to welcome many new faces to those important segments of the University known as academic support units: Professor Félix Atance, Director of the Trois Pistoles Summer School; Mr. Claude Breeze, who has accepted re-appointment as the University Artist-in-Residence; Mr. G. L. Hartsell, Acting Registrar; Mr. Glen Harris, Associate Registrar [Systems]; Professor W. C. Howell, Secretary of Senate; Mr. A. E. D. MacKenzie, Acting Executive Secretary, Office of International Education; Mr. W. G. Nediger, Registrar; and Mr. Ian Smillie, Assistant Executive Secretary, Office of International Education.



During this academic year, the Board of Governors announced several non-academic support-unit appointments: Mr. Lyn A. Brooks, Director of Food Services; Miss June Burr, Manager of the J. Gordon Thompson Recreational and Athletic Building; Mr. J. R. Forth, Director of Purchasing; Mr. D. W. Klinger, Dean of Men and Assistant Coordinator of Student Services; Mr. D. McGill, Career Planning and Placement Service; Mr. Hugh Rooney, Acting Comptroller; and Ms. M. C. Schnitzler, Director, Career Planning and Placement Service.

On the advice of Senate and in the interests of strengthening the long-term planning capability of the University, the Board of Governors approved the appointment of Professor J. H. Blackwell, Applied Mathematics, as Special Assistant to the President and Professor Andrew Grindlay, as Executive Secretary of the Senate Committee on University Planning.

I draw your attention as well to other noteworthy appointments made across the University this academic session: Mr. David F. Green, was appointed Editor of the Alumni Gazette and Special Events Officer in the Department of Alumni Affairs; Professor B. D. Hunt was appointed to the Chair in Military and Strategic Studies under the sponsorship of the Department of National Defence; and Mrs. Margaret Lawrence, outstanding Canadian novelist, was appointed University "Writer-in-Residence".

I would be remiss in my duty if I did not single out for special commendation and appreciation the special contribution made to this University by Mr. G. A. Bullas who has retired as Director of Food Services, an onerous appointment which he carried out with distinction over a period of twenty-eight years; Miss Olive Hodgins, Department of Summer School and Extension, who this year records her fiftieth year of outstanding service to her department and the University; and Mr. Ralph Stierwalt, Assistant Director of Libraries/Processing, whose organizational genius and professional expertise contributed greatly to the development of the University Library System over the last several years. The University wishes him well in his new appointment as Director of Library Co-ordination for the Inter-University Cooperative Library System of Ontario.

This past year has reinforced my deep belief in the bicameral system as it has developed at Western. My colleagues on the Senate and the Board of Governors have meshed their collective savoir-faire and have developed the trust and confidence in one another which are necessary for the continued advancement of this University as a centre of excellence. I take this opportunity to welcome Mayor Jane Bigelow, Warden Nelson Elliott, Mr. R. I. Mann, Mrs. Nancy Poole and Professor I. K. Steele as members of the Board of Governors. I am happy to record as well, the re-appointment of the Vice-Chairman of the Board, Mr. W.C.P. Baldwin,

and that of Miss Jessie MacFarlane. Their wide experience in University and Community affairs will add immeasurably to the deliberations of the Board of Governors. I wish to express the gratitude of the Board of Governors and of the University to four retiring members, Warden Wallace Laidlaw, Dr. A.H.J. Lovink, Dr. Harold Rea, and Professor W. R. Wightman. Their conspicuous, knowledgeable service to the Board will be missed.

I wish to express, as well, my sincere appreciation to my colleagues on Senate, and especially to those who carried a lion's share of the onerous work-load at the major committee level: Dean J. G. Rowe, Vice-Chairman of Senate and Chairman, Senate Nominating Committee; Professor T. J. Collins, Chairman, Senate Budget and Finance Committee; Professor D. A. Chambers, Chairman, Senate Committee on University Development; Professor G. F. Chess, Senate Committee on Admissions and Academic Programs Policies; Dean W. J. Dunn, Chairman, Senate Convocation Committee; Professor R. G. Kidd, Chairman, Senate Review Board (Academic); Vice-President R. J. Rossiter, Chairman, Senate Promotions and Appeals Committee; and Professor I. K. Steele, Chairman of the Senate Operations/Agenda Committee.

Again, this year, the Board of Governors continued the practice of awarding the designation of "Professor Emeritus" to retiring members of Faculty, in recognition of their many years of distinguished service to the University. On the recommendation of their respective Faculties, the

R. H. Cole, Mathematics; Professor L. F. S. Ritcey, Mathematics; and Professor A. E. Rose, Faculty of Music. As they now are about to embark upon full-retirement status, the University expresses to each of them its gratitude and admiration for many years of unique leadership at Western.

I would also single out for special tribute several members of the university community who served with ancillary organizations on campus and gave outstanding leadership to their respective bodies. I refer to Mr. D. W. Coleman, President of the Alumni Association; Mr. T. E. Dzialowski, Chairman of the University Community Centre Directorate; Professor J. A. Fulford, President of the University Club of London; Mrs. M. M. Hall, Chairman of the University Staff Association; Mr. Jeff Lawrence, President of the University Students' Council; and Professor G. P. Murray, Chairman of the University of Western Ontario Faculty Association.

Many members of the university community have brought outstanding honours to themselves and to the University during the past academic year. The University of Western Ontario awarded honorary degrees to three of its distinguished retired professors. Dr. M. L. Barr, Department of Anatomy and Dr. A. C. Burton, Department of Biophysics were awarded the degree of Doctor of Science, honoris causa, and Dr. C. F. Klinck, Department of English, was awarded the degree of Doctor of Letters; Ryerson Polytechnical Institute conferred the degree of Bachelor of

Technology in Business Administration on Chancellor J. P. Robarts;

The University of Edinburgh conferred the degree of Doctor of Science on Professor R. Hobkirk, Department of Biochemistry; Professor A. R. Allnatt, Department of Chemistry, was elected a Fellow of the Chemical Institute of Canada; Dr. A. L. Amacher, Department of Clinical Neurological Sciences was inducted as a Fellow of the American College of Surgeons; Professor D. R. Arnold, Department of Chemistry, was elected a Fellow of the Chemical Institute of Canada; Professor G. M. Bancroft, Department of Chemistry, was elected a Fellow of the Chemical Institute of Canada; Professor A. E. Barker, Department of English, was elected a Fellow of the Royal Society of Canada, and was designated "Honored Scholar for the Year" by the Milton Society of America; Professor Barbara Brown, Faculty of Nursing, served on the Registered Nurses' Association of Ontario Working Party on Nurse Mid-wifery and the Expanded Role of the Nurse. Miss Brown also served as a member of a Health and Welfare Canada Working Party to revise Recommended Standards for Maternity and Newborn Care; Dr. Owen Clark, Department of Medicine, was elected a Fellow of the Royal College of Physicians and Surgeons; Dr. W. H. Feasby, Faculty of Dentistry, was awarded the 1974 Warner-Lambert Dental Teacher Fellowship by the Trustees of the Canadian Fund for Dental Education; Professor Janice Given was appointed member of the Nursing Advisory Committee of Fanshawe College; Professor Gordon Greene, Faculty of Music, was elected member of the Medieval Academy of America;

Dr. G. F. D. Heseltine, Professor and Chairman of the Department of Psychiatry, was elected a Fellow of the American Psychiatric Association; Dr. J. C. Kennedy, Clinical Professor of Surgery, was elected Honorary Member of the American Academy of Orthopaedic Surgeons; Dr. C. S. Whitman, Faculty of Dentistry, was elected to the American College of Dentists; Professor A. G. Davenport, Faculty of Engineering Science, received "the 1973 State-of-the-Art of Civil Engineering Award" from the American Society of Civil Engineers; Professor R. D. Gidney, Faculty of Education, was awarded the Ontario Historical Society 1973 Cruikshank Medal; Professor G. Gonser, Faculty of Education, received the Chuck Taylor Memorial Award from the National Association of Basketball Coaches of America; Professor P. D. Fleck, Department of English, was designated to deliver the Byron Memorial Lecture to commemorate the 150th anniversary of the poet's death by the United Kingdom Byron Society; Professor Emeritus C. F. Klinck, Department of English, was named Officer of the Order of Canada; Professor James Reaney, Department of English, was acclaimed a runner-up for the Chalmers Award for Canadian Plays by the Floyd S. Chalmers Foundation; Dr. Michael Thompson, Department of Psychiatry, was awarded the gold medal of the American Academy of Child Psychiatry for 1973; Professor T. Tsutsumi, Faculty of Music, was awarded the English Ysaÿe Foundation medal for 1974; Professor W. R. Ware, Department of Chemistry, was elected Fellow of the Chemical Institute of Canada; Professor G. Wuensch, Faculty of Music,

was elected Associate Composer of the Canadian Music Centre and member of the Canadian League of Composers.

I commend your attention to Part II of the President's Report, 1974, for the many additional faculty and student honors and awards achieved this academic year.

For the first time this year, the Ontario Confederation of University Faculty Associations gave "Distinguished Teaching Awards" to members of Ontario Universities' faculty. So honored were Professor N. C. Baird, Department of Chemistry; Professor C. Grindstaff, Department of Sociology; Professor J. Havelka, Department of Psychology, King's College; Professor J. J. Snyder, Department of Philosophy and Religious Studies, King's College; and Professor M. W. Westmacott, Department of Political Science.

I am happy to offer my personal congratulations to the 1973-74 winners of the University of Western Ontario President's Medals Awards for periodical literature. The "Short Story" medal was awarded to Mr. Jack Hodgins, of Lantzville, British Columbia, and the "General Article" award was made to Mr. Peter C. Newman, writer and Editor of MacLean's magazine. No awards were made this year in the "single poem" and "scholarly article" categories.

In addition to quality teaching and research, the University has a commitment of long standing to participate in and give leadership to learned societies and community endeavors, nationally and internationally. Many members of the Faculty, Staff, Administration and the student body have received noteworthy recognition in these areas during the past academic year: Professor D. R. Arnold, Department of Chemistry, was elected Vice-Chairman of the Gordon Research Conference on Organic Photochemistry; Professor S. H. Abu-Sitta, Faculty of Engineering Science, was elected member of the Executive Council, International Association of Shell and Spatial Structures; Professor Catherine Aikin, Faculty of Nursing, served as members of the Board of Directors of the Registered Nurses' Association Foundation; Professor G. V. Atkinson, Faculty of Education, was elected President of the Teacher Education Association of Ontario; Professor T. Bailey, Faculty of Music, was elected National Chairman, International Society for Music Education; Dr. J. F. Ballantyne, Department of Ophthalmology, was elected to the Council of the College of Physicians of Ontario; Professor F. K. Bambrick, Department of Journalism, served as Chairman of the London Committee of Adjustment and as Editor of the Radio-Television News Directors' Association News Letter. Professor Bambrick also served as judge for the Central Canada Region, Radio-Television News Directors' Association Radio Canada; Professor Eric Beecroft, Department of



Political Science, was appointed member of the Committee on Interdisciplinary Studies of the Society for International Development, Washington, D. C., and served on the City of London Management Committee; Professor J. H. Blackwell, Department of Applied Mathematics, was elected Vice-President of the Canadian Society of Mechanical Engineering; Professor J. A. Boyd, Faculty of Education, was elected President of the Ontario Modern Language Association and was appointed Assistant Editor of the Canadian Modern Language Review; Professor P. Bracey, Faculty of Music, was appointed adjudicator for senior piano classes at the Ottawa Music Festival; Professor K. Bray, Faculty of Music, was appointed adjudicator for wind and band classes at the Cornerbrook Music Festival and the Ottawa Music Festival; Dr. R. I. Brooke, Faculty of Dentistry, was elected President of the Canadian Academy of Oral Medicine; Professor Louise Brown, Faculty of Nursing, served on the Credentials Committee in Public Health Nursing for the Province of Ontario; Dr. Y. S. Brownstone, Faculty of Medicine, was elected President of the Canadian Society of Clinical Chemists; Mr. H. Burkman, undergraduate in the Faculty of Law, was elected President of the Progressive Conservative Youth Federation by the National Convention; Dean W. J. Cameron, Department of Library and Information Science, was appointed Associate Director of the N. A. T. O. Advanced Institute on Information Science held in Wales, and was elected Chairman of the Canadian Association of Deans and Directors of Education; Professor

C. M. Carmichael, Department of Geophysics, was appointed Chairman of the Working Group on Rock Magnetism and Chief Canadian delegate to the International Association of Geomagnetism and Aeronomy held in Japan. Dr. Carmichael is currently the Chairman of Canada's Advisory Committee on Geomagnetism; Professor T. J. Courchene, Department of Economics, was appointed member of the Executive Committee of the Canadian Economics Association; Miss Patricia Courtwright, Faculty of Dentistry, was elected Chairman of the Canadian Dental Students' Conference; Professor D. A. Cunningham, Faculty of Physical Education, was elected member-at-large, Midwest American College of Sports Medicine; Professor A. G. Davenport, Faculty of Engineering Science, was appointed Editor of the Canadian Journal of Civil Engineering; Professor J. W. Davis, Department of Philosophy, was appointed Editorial Consultant to the Journal of the History of Philosophy; Dr. Charles Drake, Faculty of Medicine, was elected Vice-President of the World Federation of Neurological Surgeons for the North American Region; Professor A. Dreimanas, Department of Geology, was elected President of the Commission on Genesis and Lithology of Quaternary Deposits by the International Union of Quaternary Studies; Dean W. J. Dunn, Faculty of Dentistry, was appointed to the Board of Consultants of the Canadian Forces Dental Services; Professor R. B. Eynon, Faculty of Physical Education, was appointed Coach of the Canadian Swimming Team competing in the International Swimming Meet in Leeds, United Kingdom; Dean Josephine Flaherty, Faculty

of Nursing, served as a member of the Nursing Advisory Committee and the Health and Welfare Advisory Committee of Fanshawe College and was appointed consultant to the Canadian Nurses' Association Testing Service on the development of French Language Tests; Professor P. D. Fleck, Department of English, was elected President of the Canadian Association of Chairmen of English; Professor P. A. Forsyth, Department of Physics, was elected Chairman of the Division of Aeronomy and Space Physics of the Canadian Association of Physicists; Professor W. J. Gerhard, Faculty of Nursing, was elected President of the Registered Nurses Association of Ontario and President of the Registered Nurses' Association Foundation; Professor A. Giron, Faculty of Music, was commissioned by the Algoma Arts Festival to write a composition for piano and cello to be performed at the 1974 Algoma Fall Festival; Professor Amy Griffin, Faculty of Nursing, was appointed by the Government of Ontario to the Advisory Council on Senior Citizens and is Chairman of the Committee on Education and Recreation; Professor R. C. Gardner, Department of Psychology, was elected to the Board of Directors of the Canadian Psychological Association; Professor Christina Gow, Faculty of Nursing, served as member of the Council of the Ontario Region of the Canadian Association of University Schools of Nursing; Dr. J. T. Hamilton, Department of Pharmacology, was appointed Honorary Secretary, Canadian Federation of Biological Societies; Dr. Paul Harding, Faculty of Medicine, was appointed Chief of the Department of Obstetrics

and Gynaecology at St. Joseph's Hospital, London; Mr. W. H. Heagy, graduate student in the Faculty of Engineering Science, was elected Chairman of the Canadian Union of Graduate Students; Professor Dorothy Hibbert, Faculty of Nursing, served as member of Council of the Ontario Region, Canadian Association of University Schools of Nursing and also on the Advisory Committee of the Revision of the Nursing Unit Administration Program. Miss Hibbert was also appointed Treasurer of the North Middlesex Chapter of the Registered Nurses' Association of Ontario; Professor A. K. Hiatt, Department of English, was elected Coordinating Secretary of the North-Central Conference of the Renaissance Society of America, and served as Secretary of the North-East Modern Language Association's Comparative Literature Section; Professor C. J. Hickman, Department of Plant Sciences, was elected President of the Canadian Phytopathological Society; Mr. T. L. Hoskin, Co-ordinator of Student Services, was elected Deputy Chairman of the English-Speaking Union of Canada and was named a member of the International Council of that body; Professor A. M. J. Hyatt, Department of History, was elected member of the Academic Freedom and Tenure Committee of the Canadian Association of University Teachers; Professor A. J. Hudson, Faculty of Medicine, was elected Vice-President of the Canadian Neurological Society, and was appointed Treasurer of the Ontario Division of the Multiple Sclerosis Society of Canada; Dean A. I. Johnson, Faculty of

Engineering Science, was appointed Co-Chairman of the Fourth Joint Chemical Engineering Conference of the American Institute of Chemical Engineers and the Canadian Society for Chemical Engineering. Dean Johnson also served as Chairman of the National Research Council Committee on Automatic Control; Dr. S. L. Kogan, Faculty of Dentistry, was elected Secretary-Treasure of the Odontology Section of the Canadian Society of Forensic Sciences and was also elected Secretary of the Canadian Academy of Oral Medicine; Professor J. J. Leach, Department of Philosophy, was appointed Editor-in-Chief of the University of Western Ontario Series in Philosophy of Science. The Board of Editors is composed of Professors J. Bub, R. E. Butts, W. L. Harper, D. J. Hockney, C. A. Hooker and J. J. Leach; Dr. R. E. Lee, Chief Librarian, was appointed Chairman of the Ontario Board for Library Coordination, and was named a member of the Advisory Board for the Freedom of Information Center sponsored by The Freedom of Information Foundation, University of Missouri, Columbia; Professor G. Leyshon, Faculty of Physical Education, was elected President, Canadian Colleges Wrestling Coaches Association; Professor R. P. Lowe, Department of Physics, was elected Secretary-Treasurer of the Division of Aeronomy and Space Physics of the Canadian Association of Physicists; Professor Jessie Mantle, Faculty of Nursing, was appointed Secretary of the Provincial Review Board of the Ontario Council of Health,

and served as a member of the St. Joseph's Hospital Nursing Management Committee; Professor A. W. MacFarlane, Faculty of Journalism, served as judge for the Southam Fellowships for the Ontario Weekly Newspapers' Association Annual Awards and the Canadian Business Writing Awards. Professor MacFarlane was also appointed Co-Chairman of the Ontario-Quebec Journalist Exchange, and served as secretary of the Premier's Working Committee on the Province of Ontario Medal for Good Citizenship; Professor Robert McDaniel, Department of Geography, was elected Chairman of the U. W. O. Faculty Association; Professor D. O. McKay, Department of Mathematics, was elected Chairman of the Seaway Section of the Mathematical Association of America; Professor D. A. McKellar, Faculty of Music, was appointed Co-Chairman of the Congress of the International Society for Music Education; Dean H. J. McLean, Faculty of Music, served on the jury for the Prix d'Europe 1974 Competition, sponsored by the Quebec Ministry of Cultural Affairs, and was named Chairman of the Finance Committee, International Society for Music Education; Dr. D. G. Montemurro, Faculty of Medicine, was named President-elect of the Mid-West Anatomists Association; Professor J. G. Nelson, Department of Geography, was appointed Co-ordinator of the Public Land Symposium sponsored by the Social Science Research Council of Canada, and was elected Vice-President of the Canadian Association of Geographers; Professor John Nuttall, Department of Physics, was elected Secretary-Treasurer of the Division of Atomic and

Molecular Physics of the Canadian Association of Physicists; Professor A. O'Brien, Department of Political Science, served as a member of the Citizens Housing Committee, City of London, member of the Advisory Committee to the Minister of State for Urban Affairs on Canadian Urban Demonstration program, Vice-Chairman of Program Planning Committee, Canada Council on Social Development, member of the Board, Canadian Council on Urban and Regional Research, member of the Board, Institute for Research on Public Policy, and Advisor on research to the Canadian Federation of Mayors and Municipalities; Professor A. U. Paivio, Department of Psychology, was elected President of the Canadian Psychological Association; Professor E. E. Palmer, Faculty of Law, was appointed member of the London Police Commission; Professor N. Pearson, Department of Political Science, served as Canadian Universities Representative on Social Sciences, Economic and Legal Aspects Committee of Research Advisory Board, International Joint Commission, and elected Secretary to the Mid-Canada Development Foundation; Professor Karin Pendle, Faculty of Music, was appointed Adjudicator for the Essex County Schools' Choral Festival; Professor C. G. Porterfield, Faculty of Education, was elected President of the Home Economics Corporate Group of the Ontario Education Association; Professor D. Radcliffe, Faculty of Education, was appointed Editor of "Canadian and International Education" Journal of the Comparative and International Education Society of Canada; Dr. J. A. Reid, Faculty of Dentistry, was elected President of the Canadian Academy of Oral Radiology;

Dean G. L. Reuber, Faculty of Social Science was appointed Chairman of the Economic Council of Ontario, and was named a member of the Research Council of the Atlantic Institute for International Affairs; Chancellor J. P. Robarts was appointed Chairman and Chief Executive Officer of the Algonquin Forestry Authority, as well as Chairman of the Middlesex County Court Centre Board of Directors; Dean J. G. Rowe, Faculty of Arts, was appointed member of the Council of Ontario Universities' Committee on Long-Term Policies governing the award of Undergraduate Scholarships; Dr. A. Ruprecht, Faculty of Dentistry, was re-elected Secretary of the Canadian Academy of Oral Radiology; Professor J. W. Samuels, Faculty of Law, was appointed Legal Adviser to the Canadian Red Cross Society delegation to the International Red Cross Conference, Tehran, Iran, and served as Canadian delegate to the Diplomatic Conference on the Development and Reaffirmation of International Humanitarian Law, Geneva; Professor T. R. Sansom, Political Science, was appointed to the Electoral Boundaries Redistribution Commission by the Government of Ontario; Professor Hattie Shea, Faculty of Nursing, served on the Nursing Advisory Committee of Lambton College; Professor M. H. Sherebrin, Biophysics, was elected Chairman, London Section, Institute of Electrical and Electronics Engineers; Professor T. F. Siess was elected Alderman, City of London; Professor Donald Simpson, International Education, was appointed Chief Researcher in the Education Program of the International Development Centre; Professor S. P. Sinha, Faculty of Law, was appointed to the Executive Committee of the World Peace through Law Centre, Section of



International Legal Education; Professor R. Skelton, Faculty of Music, was appointed Adjudicator, string and orchestra classes, at the Stratford Music Festival and the Brandon Music Festival; Professor R. M. Solomon, Faculty of Law, was appointed Consultant to the Department of the Attorney-General of British Columbia on Law Enforcement and member of the London Police-Community Relations Committee; Dr. W. E. G. Spoerel, Department of Anaesthesia, was selected as a member of the Canadian team of anaesthetists to visit the People's Republic of China under the auspices of the Department of National Health and Welfare; Dean E. Stabler, Faculty of Education, was elected President of the Ontario Association of Deans of Education, and Chairman of the Canadian Association of Deans and Directors of Education; Professor J. Stokes was appointed Adjudicator, string classes, at Woodstock Rotary Music Festival; Mr. R. Totten, Personnel, was elected President of the Personnel Association of London and Secretary of the Council of Canadian Personnel Associations; Professor S. J. Usprich, Faculty of Law, was appointed Assistant Crown-Attorney ( part-time) and served as a Director and Secretary of the Board of Inner-City Youth Incorporation, London; Dr. I. Vinger, Faculty of Medicine was elected to the London Board of Education; Professor D. B. Walden, Plant Sciences, was elected President of the Biological Council of Canada; Dr. J. M. Wanklin was appointed faculty representative to the Association of Canadian Medical Colleges; Dr. Morris P. Wearing was appointed Chief of the

Department of Obstetrics and Gynaecology at Victoria Hospital, London; Professor W. H. Wehlau, Astronomy, was appointed Canadian Representative on the Scientific Advisory Council of the Canada-France-Hawaii Telescope Corporation, and is Vice-President of the Council; Mr. Sandy Welland, Faculty of Science Technical Services, Director of Graphic Art, was elected Chairman of the U. W. O. Staff Association; Dean J. J. Wettlaufer, School of Business Administration, was elected President of the Council of Deans of Faculties of Management and Business Administration of Canada; Dr. D. M. Wickware, Department of Psychiatry, was appointed Regional Coordinator of Forensic Services; Professor G. Wuensch, Faculty of Music, was appointed editor of the new Canadian series, "Horizons"; Mr. O. C. Zamproga, Physical Plant, was re-elected Alderman of the City of London; Dean E. F. Zeigler, Faculty of Physical Education was President-elect of the Philosophic Society for the Study of Sport, and served as Vice-President of the Philosophy of Physical Activity Committee, Canadian Association for Health, Physical Education and Recreation.

Many other members of the University Community have distinguished themselves in community and academic enterprises here and abroad. I would direct your attention to the individual reports of Deans and Directors for a more comprehensive record of their achievements.

During the 1973-74 academic year, the University conferred honorary degrees on the following distinguished men and women:

FALL CONVOCAATION, 1973

Allan George Bogue	Doctor of Laws
Sister St. Michael Guinan	Doctor of Laws
Robert Laing Noble	Doctor of Science

SPRING CONVOCAATION, 1974

Murray Llewellyn Barr	Doctor of Science
Alan Chadburn Burton	Doctor of Science
Reginald Henry Cooper	Doctor of Laws
Robertson Davies	Doctor of Letters
Maureen Katherine Stewart Forrester	Doctor of Music
Norman Jewison	Doctor of Laws
Carl Frederick Klinck	Doctor of Letters
Helen Primrose LeVesconte	Doctor of Laws
William Donaldson Sutton	Doctor of Laws

As the 1973-74 academic year draws to a close, I am left with a clear impression that it was a period of substantial progress during which the University sorted out its academic priorities and made a significant beginning in the area of long-range academic planning. The reversal in enrolment patterns from the distressful

1972-73 academic year has brought us new vitality and has restored an atmosphere of normality to the campus in which our commitment to excellence may be sustained in a more systematic and predictable manner.

In this year of consolidation, I acknowledge with gratitude the continued support of my colleagues on the Board of Governors, the Senate, and the Office of the President. Their substantial encouragement coupled with that of the students, staff, alumni and members of the faculty has made it possible to look back on this academic year with a sense of accomplishment and pride.

## AN ABBREVIATED CHRONOLOGY

### 1973-74

Nineteen hundred and seventy-three:

#### July

" Budget freeze, cut and squeeze " of 1972-73 produces modest budgetary surplus in spite of student shortfall.

Board of Governors signs agreement with the Federal Department of Industry, Trade and Commerce to establish on campus a Centre of Advanced Technology to be known as Systems Analysis, Control and Design Activity [ SACDA].

#### August

President D. C. Williams announces appointment of the Dean-designate of the graduate School of Journalism, Professor Andrew MacFarlane.

Western is host to the " Straight Goods Conference " sponsored by the University and the Ontario Ministry of the Environment.

Western's Trois - Pistoles Summer School celebrates forty-first birthday. Dr. Félix Atance is appointed Director of the School.

#### September

University welcomes largest freshman class in its history.

President announces establishment of a Committee on University-Community Relations and appointment of Miss Angela Armitt as its first Chairman.

" The Business Quarterly ", Western's widely- respected management journal, celebrates its fortieth year of continuous publication.

The Honourable Ray Lawson endows establishment of an Athletic Injury Clinic at Western.

October

On the recommendation of the Senate, the Board of Governors establishes half-million dollar Academic Development Fund.

Board of Governors approves construction of Phase I of the Health Sciences Complex Expansion.

35,000 attend Western's "Open House", 1973, officially opened by the Minister of Colleges and Universities, the Honorable Jack McNie.

Board of Governors approves construction of the J. Gordon Thompson Recreational and Athletics Building.

Dean G. L. Reuber is appointed Chairman of the Ontario Economic Council.

Western confers honorary degrees on Sister St. Michael Guinan, Allan G. Bogue and Robert Laing Noble at the 215th Convocation of the University.

Board of Governors approves system of "slip-year" financing for the 1973-74 budget year.

Western hosts the Canada Council and sister Ontario universities at extraordinary session of the Council.

The Department of the Secretary of State awards \$125,000 to Western's Language Research Group to study problems of second-language acquisition.

November

Dr. Sylvia Ostry, Chief Statistician of Canada, officially opens the Social Science Computing Laboratory, which was funded by The Richard Ivey Foundation.

Board of Governors announces establishment of the "Jason A. Hannah Chair for the History of Medical and Related Sciences", endowed by Associated Medical Services Incorporated in honor of its founder and president.

## December

New quarters for the Program in Occupational Therapy are officially opened in the Dental Sciences Building.

Western installs first Electron Spectroscopy unit for clinical analysis in Canada.

Nineteen hundred and seventy-four:

## January

Board of Governors announces establishment of the Richard Ivey Chair of Surgery, endowed by the Richard and Jean Ivey Fund in memory of the late Dr. Richard G. Ivey, Q. C., LL. D., former Chancellor of the University.

Phase II of the University Community Centre is officially opened.

Sister Frances Ryan is appointed Principal of Brescia College succeeding Sister Arleene Walker.

Physicians' Services Incorporated Foundation funds position of Co-ordinator of Emergency Medicine in the Faculty of Medicine.

The Richard and Jean Ivey Fund supports establishment of a laboratory for laser-eye studies to be conducted by Western's Centre for Inter-disciplinary Studies in Chemical Physics.

## February

On the recommendation of Senate, Board of Governors approves comprehensive Continuing Scholarship program at Western.

The Faculty of Physical Education conducts first "Winter Special Olympics for the Handicapped" funded by the Harry E. Foster Charitable Foundation.

March

The Honorable René Brunelle, Minister of Community and Social Services, officially opens the University Laboratory Preschool in the Social Science Centre.

April

A "Festschrift" volume, "Aspects of Nineteenth Century Ontario" commissioned by the Board of Governors in honor of Professor J. J. Talman is presented at special ceremony.

The University of Western Ontario Act, 1974 is given Royal Assent, 26 April, 1974.

Women's Christian Association makes special grant to Faculty of Medicine to promote development in the field of Geriatric Medicine.

May

The University establishes a Faculty of Education, merging the former Althouse College of Education and London Teacher's College.

Western plays host to Ontario Regional Finalists for the "Reach for the Top" program.

The U.W.O. Foundation of New York establishes a scholarship fund to be available to United States residents wishing to attend Western.

Western's Faculty of Dentistry establishes a Faculty Exchange program with University of Antioquia, Colombia, under the sponsorship of the Canadian International Development Agency.

June

Western honors nine distinguished Canadians at the 216th Convocation of the University.



**Mr. Fred C. Brown is elected President of the U. W. O. Alumni Association.**

**Western plans consolidated Day-Care Centre in cooperation with the Ontario Ministry of Community and Social Services.**

**Board of Governors announces appointment of Professor David Johnston as Dean, Faculty of Law.**

**Board of Governors appoint Professor D. B. Walden as first Chairman of the Review Board (Social).**

**Board of Governors approves \$1.9 million dollar capital expansion plan involving additions to the Chemistry Building and the Visual Arts Building, and completion of space in the Social Science Centre.**

REPORT OF THE  
VICE-PRESIDENT (ACADEMIC) AND PROVOST

DR. R. J. ROSSITER

Academic life at Western has continued to prosper despite budgetary limitations and the "near moratorium" on all capital funding already referred to by the President and Vice-Chancellor. In this regard, the most seriously affected academic units have been the Health Sciences, Chemistry and Biology.

The program of periodic departmental review, established several years ago, has continued. Usually at the time of change of Chairmanship, but not necessarily so, each department in turn is assessed by several distinguished consultants from outside the University. The consultants are provided with detailed written information concerning members of faculty, the achievements, aims and goals of the department, and an outline of the on-going undergraduate, graduate and research programs. The appraisers visit the campus to consult with graduate and undergraduate students, post-doctoral fellows, the Chairman of the Department and members of faculty, the Chief Librarian, the Dean of the Faculty, the Dean of the Faculty of Graduate Studies, and the Vice-President [Academic]. Such an undertaking is of great value to the Department itself as well as to academic administrators.

At the present time, reviews of the following departments have been undertaken: Applied Mathematics, Bacteriology, Biochemistry,

Classical Studies, Computer Science, Economics, English, French, Geography, Geology, German, History, Journalism, Philosophy, Physics, Plant Sciences, Political Science, Russian Studies, Secretarial and Administrative Studies, Sociology, Visual Arts, and Zoology. Departmental reviews of Music Education, Psychology, and Spanish and Italian are currently in progress. In addition, an external review of the Faculty of Law was also undertaken during the year.

Each Dean and the Head of each academic support unit reports annually to the President. Here follow some of the highlights of these reports.

## GRADUATE STUDIES

After two years of stability, the Faculty of Graduate Studies experienced a period of modest growth during 1973-74. The alarming increase in part-time registrations noted in the report of last year appears to have moderated.

This year, for the first time, Province of Ontario Graduate Scholarships were awarded on a merit basis rather than by quota as was previously the case. As a result, an important change in the distribution of the awards among the various academic disciplines has occurred. Previously over 75% of these awards were received by graduate students in the Humanities and Social Sciences. Last year, this fraction fell to

55%, with a corresponding increase in awards to graduate students in the Natural Sciences and Business Administration. It seems clear that a merit-based competition on a Provincial scale is a viable proposition. If one can look forward to an expansion of this program to a level where it also meets the legitimate needs of graduate students in the Humanities and Social Sciences, the Program should become one of the principal methods of support of graduate work in the Province.

A number of Province-wide discipline assessments conducted by the Advisory Committee on Academic Planning [ACAP] has been approved by the Council of Ontario Universities and subsequently endorsed by the Ministry of Colleges and Universities. At the present time, Western has participated in assessments of Anthropology, Chemistry, Economics, Education, Geography, Geology and Geophysics, Library and Information Science, Political Science and Sociology. For this University, the major effects of these reports have been a moderate restraint in the Ph. D. program in Geography; a focusing of the Ph. D. program in Political Science on Urban and Regional Government; the planning of a Ph. D. program in Demography by the Department of Sociology; and the planning of a Master's program in Symbolic Anthropology and Linguistics by the Department of Anthropology.

Currently in progress are ACAP appraisals of Business Administration, Engineering Science [Ph. D. only], History, Physical

Education, Physics [Ph. D. only] and Planning and Environmental Studies. We await these further ACAP reports with interest.

New graduate programs now approved by the Appraisals Committee of the Ontario Council on Graduate Studies [OCGS] include an M. Ed. in Guidance offered by the Faculty of Education, and an M. Sc. and M. Cl. Sc. in Speech Pathology and Audiology offered by the Program in Communicative Disorders. Approved by the Faculty of Graduate Studies Internal Appraisals Committee and currently under review by the OCGS Appraisals Committee are two new M. A. T. programs in French and in Chemical Education. Also under review by the Appraisals Committee is a novel Master's program in Journalism offered by the Graduate School of Journalism established by Senate and the Board of Governors on May 1, 1974.

## RESEARCH

Research flourishes at Western. External funds made available to the University to defray the direct costs of research projects approach \$10 million annually. Most of the indirect costs, [salaries of principal investigators, provision and maintenance of research space, library facilities, computer facilities, secretarial assistance, etc.] are borne by the University from its regular operating income.

Research is co-ordinated by the University Research Officer, Dr. H. W. Baldwin, advised by a University Research Council. Much of the work of the University Research Council and the Research Officer has been to do with research administration, and in the framing of policies for matters such as human experimentation, ethics, patents, royalties, copyrights, etc.

Whereas some of the research may be considered as "basic", "fundamental", or "curiosity-motivated", much of it is applied or "mission-orientated". An example of this type of research is the work of the Boundary Layer Wind Tunnel Laboratory of the Faculty of Engineering Science. All of the tests on the effect of the wind on the Canadian National Communications Tower in Toronto, for example, were carried out in this Laboratory. Other research is on matters of public concern. For instance, the Ford Foundation last year funded a project in the Faculty of Social Science on "Informational Privacy and Access to Government Micro-Data Files". Much of the specialized research is carried out in research centres such as the Centre for Radio Science, the Photochemistry Laboratory, and the Cancer Research Laboratory.

#### FACULTY OF EDUCATION

In May, 1973, the Minister of Education announced in the

Provincial Legislature the details of a Master Plan for Teacher Education in Ontario. He indicated that the Government was prepared to negotiate with the University concerning the integration of London Teachers' College. Such an undertaking, including proposals to merge London Teachers' College with Althouse College of Education to form a Faculty of Education, had been planned two years previously, and the concept approved in principle both by Senate and the Board of Governors. An agreement between the University and the Government became operative September 1, 1973, and the new Faculty of Education was established May 1, 1974. The Faculty will provide a revised integrated teacher education program for both elementary and secondary school teachers.

#### SUMMER SCHOOL AND EXTENSION

During the regular academic session, instruction for credit is offered to part-time students both on campus, and at no less than 15 other centres in Southwestern Ontario. During the summer months the University offers a six-week day summer school, an extensive evening summer school and two years ago, it introduced an intersession summer school which runs from the end of the spring examination period to the beginning of the regular summer school in July. Day classes are also offered at several centres in Western Ontario

outside London. In addition, courses by correspondence are available to students in distant places. Last year, students enrolled from as far away as Brazil and Singapore.

The Department of Summer School and Extension also participates in the Federal-Provincial Summer Language Program. The highly successful French Language Summer School at Trois-Pistoles in the Province of Quebec celebrated its fortieth anniversary in the summer of 1973. In London, students unfamiliar with the English Language may take an intensive course in an English speaking environment. As at Trois-Pistoles, afternoon workshops are held in such cultural activities as music and drama. Excursions are made to the Stratford Shakespearian Festival, the Ontario Science Centre, and other places and events of significance in the life of Ontario.

#### CONTINUING EDUCATION

The Report of the Commission on Post-Secondary Education in Ontario strongly recommended the establishment of programs in Continuing Education within the Universities of the Province. At Western, this is done by the so-called non-credit courses offered by the Department of Summer School and Extension. During the past year, interest was directed towards cultural enrichment, matters of community concern, and the up-dating of qualifications, as well as courses simply for enjoyment.



An example of such courses was the series held last year in the London Public Library and Art Museum in collaboration with that body. Subjects covered ranged from "International Monetary Problems" to "Energy and Environment". Another example is the series held in the Senior Community Centre [for senior citizens] in collaboration with the Forest City Kiwanis Club where topics studied included "Learning Can be Ageless", and "Modern China".

For many years, the professional schools have sponsored intensive programs in continuing education, notably in Business Administration, Education, Medicine, Dentistry, and more recently, Engineering Science and Nursing. The Faculty of Education offers special summer courses for teachers with the assistance of various Faculties and Departments. Last year, special programs were arranged for teachers of History, Mathematics, Music, Nursing, Physical Education, and Science.

#### INNOVATIVE PROGRAMS

The University is frequently criticized for being monolithic and incapable of change. Perhaps the listing of some recent innovations will help to dispel part of this concern. For many years, Western has sponsored Artists-in-Residence [currently Claude Breeze] and more recently, Writers-in-Residence [currently Alice Munro]. To this now

has been added an Editor-in-Residence [currently Shirley Sharzer].

Other examples include the University Laboratory Preschool for observation on child development sponsored by the Department of Psychology and opened on March 29th, 1974, by the Ontario Minister of Community and Social Services, the Honorable René Brunelle; the imaginative program in Public Administration [Urban/Regional] recently introduced by the Department of Political Science; the now well established exchange scheme for third year undergraduates in honors programs in French and in German, with Universities in France and Germany; and the interdisciplinary Environmental Engineering Program.

#### UNIVERSITY COMPUTING CENTRE

The CDC Cyber/73 Batch Processor is now in full operation. This, coupled with the PDP10 used chiefly for time-sharing, has given the University a strong central computing facility.

Computer use continues to escalate. Last year, batch jobs increased by 29% and time-sharing by 10%. The Computing Centre in collaboration with the Department of Computer Science is participating in a number of community computing projects in association with the London Public Library, Fanshawe College, and Information London. In addition to the Computing Centre, smaller faculty facilities are available

in Business Administration, Education, Engineering Science and Social Science. The Social Science Computing Laboratory combines service, teaching and research roles. It has already become a major unifying influence in the activities of the Faculty of Social Science. The Laboratory was officially opened on November 15th, 1973, by the Chief Statistician of Canada, Sylvia Ostry. At this time, Dr. Ostry presented a public lecture on "Computers and Data: Opportunities and Problems".

#### UNIVERSITY LIBRARY SYSTEM

The collections in the Library have continued to increase at a satisfactory rate, despite the rapid escalation in the price of books. Improvements in processing and administrative services have resulted in increase in the quality of service to users. Visits to the Library and circulation statistics continue to rise phenomenally.

The University Library has collaborated with the University of Guelph on a joint experiment in the use of machine readable cataloguing tapes. The University also collaborates with the Ontario Universities Libraries Co-operative System in the development of a monograph administration project, the development of a union file of Government publications and in the development of a similar union file for periodicals and maps.

## SPECIAL EVENTS

During the year there was the usual array of special lectures, seminars, meetings, colloquia, symposia, and conferences. Prominent among these was the Gillette Lecture arranged by the School of Business Administration and given by James Houston, who showed his magnificent Eskimo film "White Dawn". The Department of Classical Studies sponsored a colloquium on "Euripides", the Department of French a colloquium on "Racine" and the Department of Philosophy a colloquium on "Cartesianism 1650-1750", and the Faculty of Social Science instigated a program of guest lecturers "The Social Science Forum". At these John Money of Johns Hopkins University spoke on "Pygmalion Updated; The Making of Gender Identity", and James Eayres of the University of Toronto lectured on "Why Governments Goof: An Anatomy of Misperception". Titles of other conferences include "Regional Economic Development", "Economics of Ghana", "Education for Municipal Administrators", and "Snowmobiles and All-Terrain Vehicles".

## COUNCIL OF UNIVERSITY THEATRES AND ART

The Council of University Theatres and Art was established by Senate in 1970 to co-ordinate cultural activities on campus. These take place in Alumni Hall, and in the other campus theatres, halls, and in the art gallery.

The total number of persons attending events in Alumni Hall was in excess of 150,000 last year. The Council publicizes, both on campus and off campus, University cultural events. An examination of any typical monthly program shows that almost daily there is a wide variety of exhibitions, concerts, recitals, films, lectures, workshops, and the like. In planning and arranging these the Faculty of Music, the Department of Visual Arts, the Art Curator, the Alumni Association and many other University departments and student organizations contribute generously.

#### INTERNATIONAL EDUCATION

Western is always ready to consider applications for admission from qualified students from developing countries, particularly from students who have been sponsored by the authorities in their own country, or by a recognized international agency.

Through the Office of International Education and with the support of the Canadian International Development Agency the University has participated in a number of educational and exchange programs in a wide variety of disciplines with colleagues in developing countries. These include programs in Colombia, Ghana, Guatemala, Guyana, India, Jamaica, Kenya, Puerto Rico, Trinidad, Zambia and Cuba.

The Faculty of Medicine has developed a program of medical electives overseas for senior students. Last year, five students participated, three in India, one in Botswana, and one in the Caribbean. Others gain clinical experience in the Canadian north.

The Cross Cultural Learner Centre, now administered by the Faculty of Education, provides a data bank of materials concerned with developing countries. This is of great value to individuals or groups planning to travel overseas under government or private sponsorship.

#### CANADIAN NATIVE PEOPLE

The number of students from the Canadian native population who have enrolled under the regular admissions policy at the University has been disappointingly small. Special efforts are now being made by individual Faculties. An example is the program organized by the Faculty of Law through which it was possible to admit four students last year.

During the year the School of Business Administration initiated a pilot project in collaboration with the Department of Indian Affairs and Northern Development. Students in the M. B. A. program provided consulting assistance in business management to Indian businesses and consulting - training assistance to an Indian Community Co-operative.

The Cross Cultural Learner Centre sponsors a native peoples' resource centre which promotes the history and cultural self-awareness of native people. A curriculum development project established in collaboration with the Department of Indian Affairs and Northern Development provides native students with more culturally relevant curriculum materials.

REPORT OF THE  
VICE-PRESIDENT, ADMINISTRATION AND FINANCE  
A. K. ADLINGTON

As outlined in the 1972-73 Report, budget reductions together with an admirable degree of voluntary restraint averted what could have been a substantial deficit in that year. Early enrolment reports for 1973-74 gave indication that the previous year's decline was not unique, and so there was continued uncertainty in revenue estimates.

The 1973-74 budget approved by the Board of Governors anticipated a deficit of \$1,230,000. This and the uncertain enrolment projections led to the adoption of a Contingency Plan from which evolved the innovative Flexible Budgeting Program. Endorsed by Senate and the Board of Governors, the Program was welcomed by Deans and Budget Unit Heads who appreciated some flexibility in the use of financial resources.

The 1973-74 Flexible Budgeting Program had two basic objectives:-

- (a) To conserve 1% of all budgeted expenditures planned for the year to reduce the potential deficit position;
- (b) To provide flexibility in the use of financial resources allocated in 1973-74 by allowing a "carry forward" of up to 2% into 1974-75.

The Flexible Budgeting Program (sometimes also referred to as the "1% penalty 2% bonus deal") had an obvious "damper" effect on traditional year-end spending habits. It encouraged Deans and other Budget Unit Heads to conserve certain monies in the knowledge that they would not lose them at



year end and so could spend them more effectively in the subsequent fiscal period. In these times of rapid cost inflation, which have not adequately been offset by the relatively small increases in value of the Provincial Basic Income Formula, such "carry-forwards" are now being put to good use. On the recommendation of the Senate, the Board of Governors has continued the Flexible Budgeting Program in the current fiscal year.

The 1% reduction in expenditure budgets and the slow-down in year-end spending, combined with revenue increases over budget estimates, resulted in a cash flow surplus of \$1,170,935. Of this amount \$715,495 has been carried forward in restricted funds for application within the budget units in the current fiscal year 1974-75. The University's operating reserves have thus been increased by \$455,440 and stand at \$3,597,156 at the year end.

Revenue increases mainly resulted from: student fees on enrolments higher than those forecast, several special-purpose Provincial grants which were not anticipated, and considerably increased income from investments. Gross operating expenses for 1973-74 totalled \$73,310,000 of which \$9,332,000 is financed by grants for assisted research, \$8,414,000 is earned in self-financing ancillary operations such as the Book Store and Food Services. The balance of \$55,564,000 comes from the Provincial Basic Operating Income Formula which includes student fees, and many other forms of income of lesser amounts.

1973-74 also saw the introduction of the slip year method of financing by the Ministry of Colleges and Universities in an attempt to remove some of the uncertainties in forecasting revenues on anticipated enrolments,

and provide lead time to adjust to declining enrolments. The formula grant for any year is now based on the enrolment for the previous year, so the unknown factor in short range revenue forecasts is the value of the basic income unit to be announced by the Ministry.

Effective 1st September, 1973, responsibility for the operation of London Teachers' College was transferred to the University from the Ministry of Education and integrated with Althouse College of Education to form a Faculty of Education. An extra formula grant of \$628,800 was provided for the period 1st September, 1973 to 30th April, 1974. Subsequent years are to be funded through the Operating Grants Formula with a minimum guaranteed support for 4 years equivalent to that generated by an enrolment of 950 students.

Although the Provincial near-moratorium on Capital expenditures continued in effect, some major building starts and completions were noticeable on campus in the fiscal year. Most obvious are:-

	Stevenson Lawson Building Renovations	\$1,110,500
(*)	Health Sciences Addition	3,905,600
(**)	J. Gordon Thompson Recreation and Athletic Building	2,775,700
(*)	funded from the Ontario Health Resources Development Plan.	
(**)	funded from The University of Western Ontario Capital Reserves, student special fee assessment, and private donor.	

In addition, over 900 small projects costing over \$1,000,000 in total were completed in the year. As indicated in last year's Report, the emphasis is now on space re-assignment rather than on new construction, and this places an increasing work-load on our in-house professional and technical staff in the Department of Physical Plant.

"Operation Conserve" as announced last year was continued and further cost savings were realized as all energy costs continue to rise. A major step towards greater economies for consumption and cost saving was taken in initiating design studies for a centralized utilities control system to become operational in 1975-76.

There were no major structural or organization changes in the non-academic administrative units in 1973-74. Steady progress continued in the development of the services and programs these various units administer and in their relationships with the Standing Committees of Board and Senate which they service.

I cannot let one personnel change pass unnoticed, namely the retirement of Mr. R. R. Glover, Comptroller. For personal reasons Mr. Glover decided to exercise his option to take early retirement as at 30th June, 1974 after having devoted 28 years of exemplary service to this institution. His resignation was accepted reluctantly and with genuine regret. He will long be remembered for his contribution to the development of this University over such a lengthy period, and as well in university circles across the country for his dedication to duty and personal commitment to his responsibilities.

REPORT OF

## THE VICE-PRESIDENT (HEALTH SCIENCES) (ACTING)

DR. D. BOCKING

In September, 1973, each of the Health Science Programs re-assessed its entering enrolment figures in order to ensure that the maximum number of students were being admitted. The Faculty of Dentistry raised its entering class size to 56 from 50 in order to allow for an anticipated attrition. The Faculty of Medicine maintained the enrolment figure at 100, in accordance with a Ministry of Health decision that Western's annual output of physicians should be 100 up to 1980. The Faculty of Nursing also maintained its enrolment at 60 for the four-year program and 47 for the post-RN program. These quotas are based on the limiting factors of number of faculty, accommodation in the Kresge Building, and availability of clinical training experience. The Program in Communicative Disorders increased its entering class size from 20 to 26. The Program in Occupational Therapy was also able to increase its entering enrolment from 25 to 35. Due to limitations of space, the Program in Physical Therapy maintained its entering class size at 24.

The increased enrolment in the courses offered in the new Biology program of the Faculty of Science has posed major problems for the Basic Health Science Departments involved. The student laboratories in the Health Sciences Centre are being taxed to their limit to accommodate these classes.

In the fall of 1973, approval was received from the provincial government to proceed with construction of the additions to the Health Sciences Centre, the Health Sciences Library, and the Health Sciences Animal Quarters. Construction was commenced in December, 1973, and it is anticipated that the Library and Animal Quarters additions will be completed by December, 1974, and the main addition by May, 1975.

During the year, an ad hoc committee was appointed under the chairmanship of Dean W.J. Dunn, Faculty of Dentistry, to review the administrative arrangements for the Programs in Communicative Disorders, Occupational Therapy, and Physical Therapy. After careful consideration by the Committee and consultation with senior University officials, it was agreed that the existing administrative arrangements for the Programs in the Faculty of Medicine should be continued. In the future, it may be possible to implement a more autonomous arrangement for these professional programs.

The various Health Science Committees continued to play an important role in the integration and co-ordination of the activities of the Health Sciences Centre - e.g. library, curriculum liaison, safety measures, instructional resources and the central services of the supply room, instrument shop, animal quarters, and art service.

The students in the various programs were brought together at various social events arranged by the Health Sciences Student Council.

The Health Sciences at Western continue to be indebted to the affiliated teaching institutions which comprise the London Health Sciences Complex. Tribute is paid to the major roles played by St. Joseph's Hospital, the University Hospital, Victoria Hospital and Westminster Hospital in the

provision of clinical experience for the health science students. Similar appreciation is expressed to Parkwood Hospital, St. Mary's Hospital, the London and St. Thomas Psychiatric Hospitals, the Children's Psychiatric Research Institute, the Crippled Children's Treatment Centre, the Victorian Order of Nurses, and the Middlesex-London District Health Unit for their roles in the education of undergraduate and postgraduate students. In addition to the institutional settings, increasing use is being made of ambulatory settings for clinical training - especially for the teaching of family medicine and community health. The Faculties are indebted to the practitioners in the various medical groups and solo practices who make this experience possible.

The Deans of Dentistry, Medicine and Nursing have submitted their annual reports to the President. The following are some of the highlights from those reports.

### Faculty of Dentistry

The Faculty launched a study on the future delivery of dental care and its implications for the dental curriculum. Part I of the report was presented to the Faculty and covered the present position of the Faculty, influences bearing on future patterns of dental practice, and areas of dentistry inadequately covered in the present curriculum. Those areas requiring additional attention were felt to be Preventive Dentistry, Geriatric Dentistry, and Dental Auxiliary Utilization and Management. The importance of Preventive Dentistry was recognized by the appointment of Dr. David W. Banting, of the Department of Social Dentistry, as Co-ordinator of Preventive Dentistry for the Faculty. The Co-ordinator supported by an advisory group will co-ordinate the teaching of preventive dentistry and stimulate greater attention to the preventive aspects of clinical dentistry. Interdisciplinary teaching sessions on geriatric dentistry will be introduced into the third year curriculum. The Departments of Paediatric Dentistry and of Social Dentistry will co-operate in administering a clinical Dental Auxiliary Utilization Program.

During the year considerable study was given to the Interdisciplinary Teaching Program. It was agreed that this program should continue with the same number of hours allotted and that the clinical departments involved and the Division of Oral Pathology should conduct the sessions and involve other basic and clinical departments to the extent possible.

Council of the Faculty and Senate approved a modification to the evaluation of the performance of students and adopted an Honors (80 - 100%), Pass (60 - 79%), Fail (less than 60%) system of grades.

The new graduate program in Oral Pathology was granted "Accreditation Eligible" status for a two-year period by the Council on Education of The Canadian Dental Association.

During the year, the Committee on Continuing Education, in co-operation with the departments concerned, presented 11 courses with a total enrolment of 211 practising dentists. Twelve extramural lectures were presented by members of faculty to dental societies throughout the province.

The Advisory Committee to the Faculty of Dentistry continued to play an important role. Dr. Harvey W. Reid served again as Chairman of this committee which reviews the programs, policies, and activities of the Faculty.

The Richard and Jean Ivey Fund provided a grant of \$24,000 to permit expansion of the operation of the Maxillo-Facial Prosthetic Clinic.

The Faculty was privileged to have Dr. J.D. Spouge, Professor and Acting Head of the Department of Oral Medicine at the University of British Columbia, as the MRC Visiting Professor in March, 1974.

Miss Patricia Courtright, of the class of 1975, was elected the first woman Chairman of the Canadian Dental Students' Conference and presided at the conference held in Montreal in late 1973. Miss Courtright has also been elected President of the UWO Dental Students' Society for 1974-75.

In the spring, Dean W.J. Dunn signified his wish to terminate his appointment as Dean effective June 30, 1975, when he will have completed over ten years in that office. A selection committee was appointed in accordance with Senate regulations. Dean Dunn has indicated that he would let his name stand for re-appointment.

### Faculty of Medicine

After several years of planning, the new undergraduate curriculum of the Faculty of Medicine was commenced in September 1973. The old curriculum will be phased out during the succeeding three years. The new curriculum provides for an earlier introduction to the clinical subjects, greater integration of basic and clinical courses, a Third Year clinical clerkship, and more elective time.

The Faculty of Medicine is indebted to the Directors of the Richard and Jean Ivey Fund for the endowment of the Richard Ivey Chair of Surgery in memory of the late Richard G. Ivey, Q.C., LL.D., a former Chancellor of the University. Professor A.D. McLachlin was named the first incumbent of the Richard Ivey Chair of Surgery effective March 1st, 1974 and on his retirement was succeeded in the Chair by Professor C.G. Drake effective July 1st, 1974.

The Faculty of Medicine was pleased to join with the University in honoring Dr. Robert L. Noble, a former faculty member, with an Honorary Doctorate of Science at the fall Convocation on October 26th, 1973. At the spring Convocation, two of the most distinguished members of the Faculty of Medicine were awarded Honorary Doctorates of Science. On June 6th, Professor A.C. Burton was awarded an Honorary degree and on June 7th, Professor Murray L. Barr was similarly honored.

On June 7th, 1974, Professor Helen P. LeVesconte was awarded an Honorary LL.D. by the University on the occasion of the first graduating class from the Program in Occupational Therapy. At that time, the first nine students to complete the four-year program graduated.

During the period March 4 to 8, 1974, the undergraduate medical curriculum and Faculty were surveyed by a team appointed by the Liaison Committee on Medical Education of the Association of Canadian Medical Colleges, the Association of American Medical Colleges and the Council on Education of the American Medical Association. At the same time the postgraduate programs were reviewed by a team appointed by the Royal College of Physicians and Surgeons of Canada. The report of the latter survey has been received and indicated approval of all programs, and tentative approval of four new programs in gastroenterology,

rheumatology, neuropathology, and adult cardiology.

During the year, approval was received from the College of Family Physicians of Canada for the residency training program of the Department of Family Medicine.

During the year, Council, Senate, and the Board of Governors approved the establishment of the Dr. Jason A. Hannah Chair for the History of Medical and Related Sciences in the Department of the History of Medicine and Science. This Chair is made possible by a five-year grant from the Associated Medical Services Foundation Incorporated which has a major interest in supporting academic programs in the History of Medicine at each of the five Ontario Medical Schools. The Chair is named after the founder of the Associated Medical Services.

The Office of Continuing Education mounted an excellent program of refresher days, visiting lectureships and visiting consultants at area hospitals.

Each Department of the Faculty of Medicine continued to carry on an active program of research and clinical investigation. The research funds made available to the Faculty of Medicine in 1973-74 total \$4,190,000.

In the summer of 1973, the Program in Physical Therapy completed its move into the basement area of the University Hospital. The Program in Occupational Therapy moved into renovated quarters in the lower, lower ground area of the Dental Sciences Building. In the spring of 1974, the Program in Communicative Disorders moved into newly completed areas on the eighth and ninth floors of the Social Sciences Centre.

During the year, the University Hospital completed its first one-and-a-half years of operation. It was gratifying to note that the occupancy is averaging 85%. The new hospital is fulfilling its teaching and service role. The research programs of the clinical departments are being slowly developed.

Victoria Hospital continues to await a decision with regard to its plans for a transfer to the Westminster Hospital site.

St. Joseph's Hospital developed a functional program involving renovations and new construction. This program was approved by the London Health Sciences Co-ordinating Committee and has been submitted to the Provincial Government.

### Faculty of Nursing

Dean M. Josephine Flaherty assumed her duties as Dean of Nursing on September 1, 1973.

Professor Catherine Aikin, the former Dean, was on Study Leave in the fall of 1973 and visited nursing institutions and associations in New Zealand, Australia and Great Britain.

With construction on the Health Sciences addition proceeding, the faculty and students are looking forward to moving into the new quarters which will provide badly needed additional space.

The Faculty is reviewing the curriculum of its basic, post-RN, and graduate

programs in the light of changing health care needs. The first graduate course in advanced clinical nursing will be offered in 1974-75. At the same time, all applicants to the Master's Program will be required to have had some community health nursing experience.

The Faculties of Dentistry, Medicine, and Nursing have co-operated in the provision of a program sponsored by the Medical Services Branch of the Department of National Health and Welfare to prepare nurses to work in outpost situations in northern Canada.

The Faculty co-sponsored with the Faculties of Nursing of the University of Toronto and McMaster University a National Conference on Nursing Research in Toronto in the spring of 1974.

Dean M. Josephine Flaherty is Chairman of a National Committee on Nursing Research in Canada.

During the year, faculty and students provided nursing care to a large number of families in London in co-operation with the Middlesex-London District Health Unit, Social Service Department of the City, and medical group practices.



THE UNIVERSITY SENATE

Report of the Secretary

PROFESSOR W.C. HOWELL

The Senate of the University met in twenty regular and four special sessions in the period July 1, 1973 to June 30, 1974. This simple statement obscures the monumental volume of activity conducted by Senate through its matrix of standing and ad hoc committees which report more or less regularly to Senate.

The prime role of Senate is its responsibility for the academic fabric of the University and the fruits of these labors are the graduands of the University. The 215th and 216th Convocations were held in October 1973 and June 1974 when 3,859 degrees were conferred upon undergraduate and graduate candidates and 967 certificates and diplomas were awarded to candidates in special fields. In addition, Senate recognized outstanding contributions to contemporary life and letters through conferment of 12 Honorary Degrees at the two Convocations.

The expanded role of Senate which has seen it become an integral part of the over-all functioning and planning of the University was initiated with the 1967 University Act. One of the most important achievements this year was completion by Senate of its review of that Act and approval by the Provincial Legislature of a new University of Western Ontario Act, 1974. This and some other highlights of the past academic year are summarized briefly in the following sections.

ACADEMIC DEVELOPMENTS

Faculty of Education

The protracted effort to create a Faculty of Education approached its culmination when in August 1973 the Joint Board-Senate Committee reached agreement with the Ministry of Education on the integration of London Teachers' College into the University. Further interim measures taken at that time included appointment of the academic staff of the Teachers' College as Special Lecturers in Althouse College, and approval for the granting of the Diploma in Education for successful completion of the 1973-74 program offered by London Teachers' College. Finally in April 1974, on the recommendation of the Faculty of Education Integration/Implementation Committee (a joint ACE/LTC committee), Senate approved and recommended to the Board of Governors that a Faculty of Education be established effective May 1st, 1974. The composition, organization and rules of procedure for the new Faculty were also endorsed; revisions in the basic programs of instruction for introduction in 1975-76 are pending.

Academic Programs

The range of basic studies at the undergraduate level was extended by the introduction of several new programs. These included Honors Programs in Economics with Geography, Economics with Political Science, History with History of Science, and History of Science, and Three-Year Programs in Chemistry and Biology, Chemistry and Geology, and Physical Education.

The basic undergraduate programs in the Faculty of Engineering Science were completely restructured with the introduction of a term system.

At the graduate level, a new program leading to the degree Master of Education (Guidance Counselling) was approved for introduction in September 1974.

### Academic Policies

Admission Policy for applicants from Ontario Secondary School Programs was revised in two significant aspects. In September 1973 an achievement floor was re-introduced and set at a minimum average of 60.0% over six Level Five subject credits effective with admission in September 1974 and thereafter; provision was made for conditional admission, on medical or compassionate grounds, of applicants not meeting all requirements.

In May 1974 Senate considered recommendations calling for the re-introduction of specific subject requirements for admission to First Year studies. Following a lengthy debate of the issues involved, Senate approved a requirement that, effective with admission in September 1977, all applicants from Ontario Year 5 must have at Level Five at least one credit in English and one credit in one of French, a Foreign Language or Mathematics.

A significant modification in the policy with respect to the University Scholarship Program saw the introduction of continuing scholarships to be awarded for superior achievement not only at the time of initial admission but also on completion of First Year studies. The new program, which will be implemented in stages commencing with the 1974-75 academic year, was made possible by the generous provision of additional funding from Capital Reserves by the Board of Governors.

In September, the Academic Policy Committee submitted a revised statement of policy and procedures for the evaluation of undergraduate academic performance. These proposals were the subject of a heated debate which required a special meeting of Senate in October for resolution.

The main criticisms of the proposals related to the loss of flexibility and alleged infringement on the academic freedom and "rights" of instructors. It was said, for example, that ".....regulations of this specificity will become strait jackets for instructors in the handling of courses and classes and will stifle creative teaching and rapport with students.....". Ultimately, while some of the proposals were approved as policy statements, the majority were accepted only as "guidelines" to be followed in normal instances.

The two policy statements of greatest import in the future were the assignment of ultimate responsibility and authority for evaluating student achievement in individual courses to the Department/Faculty (as distinct from individual instructors), and the requirement that the academic units devise procedures to ensure that the evaluative methods used are academically rigorous and as equitable as possible.

## Academic Regulations

In the continuing process of up-dating the plethora of academic regulations and procedures, changes were introduced in the following areas: Letters of Permission - rules for credit granted and clarification of Dean's discretion; procedures for scheduling and conduct of Final Examinations; introduction of a mid-year examination week at the close of First Term lectures; increase in the maximum course load in Summer Sessions; new deadline dates for changes in registration by adding and dropping courses. Extension of the final date for dropping full year courses without "academic penalty" to eight weeks after the commencement of classes introduced a significant change in the philosophy of the traditional "add-drop period". In effect, a student now has a reasonable period of time in which to "shop" or "sample" particular courses and then withdraw without penalty with respect to his eligibility for further study. Subsequent to the new deadline however, he cannot withdraw from or drop a course but remains committed to it for the full session and, if assignments and examinations are not completed satisfactorily, an F grade will be recorded. The academic Deans retain the authority to grant withdrawal from a course after the deadline date on medical or compassionate grounds.

## UNIVERSITY DEVELOPMENT AND PLANNING

### Capital Development

In October 1972, the Board of Governors, in the face of declining enrolments and the provincial moratorium on capital grants, postponed further planning on several capital projects earlier approved by Senate. These included a Recreational and Athletics Building ("Winter Sports Complex"), a Visual Arts addition, and a Chemistry addition.

In the Winter of 1973, the University Students' Council reactivated consideration of the "Winter Sports Complex" by conducting a student plebiscite, the results of which pledged the students to an annual per capita charge towards the capital costs of the building. In August 1973, Senate recommended to the Board of Governors that the construction of a Recreational and Athletics Building be proceeded with immediately as a joint capital venture to be financed by the Board (from Capital Reserves) and by funds raised from an annual student assessment of \$7.00 per student. A second recommendation proposed that the facility be administered as an ancillary enterprise under the Vice-President, Administration and Finance, with an appropriate Advisory Committee. A vote of thanks was extended to the students for this significant contribution to the University.

On October 25, 1973, members of Senate attended a sod-turning ceremony for the new building, which had been named the J. Gordon Thompson Recreation and Athletic Building.

The long awaited approval of funding by the Provincial Treasury Board was finally obtained and construction of the Health Sciences Expansion - Phase I commenced in October 1973.

In June 1974, following First Reading in January, Senate gave Third and Final Reading to three recommendations, for expenditures totalling \$1,925,000 from Capital Reserves, for the construction of additions to

Chemistry and Visual Arts and the completion of the unfinished space in the Social Science Centre. In conjunction with these proposals, Senate also approved a recommendation to the Board of Governors that the Capital Reserves of the University be protected and maintained at a minimum of \$5.Million for the next five years.

#### University Community Centre Directorate

In March 1973, following expressions of discontent by the University Students' Council with the membership of the Directorate and its operating procedures, the Directorate requested a review by Senate of its terms of reference and composition in light of two years of operation.

The report of the University Development Committee was received and debated vigorously at the July 12th meeting. Despite strong objections from students and other members, revised terms of reference and composition for the Directorate were approved and forwarded to the Board of Governors. At the urging of the Directorate, the Board referred the recommendations back to Senate and requested that an opportunity be provided for the views of the representatives of the Directorate to be heard by SCUD. The matter was resolved in October 1973 by approval of an amendment in the composition whereby the number of voting members was increased from 11 to 13 by the addition of two more student representatives. (In January 1974, further revisions in the terms of reference and composition were set forth by the Board and a direct reporting relationship between Directorate and Board instituted.)

#### Academic Development Fund

In December 1972, the Senate Committee on University Planning was requested to consider and make recommendations on policy guidelines for funding of "Centres of Excellence". In reporting to Senate in October 1973, it was recommended that the approach to funding of "Centres of Excellence" be consolidated with other areas of "off-the-top" funding by the creation of an Academic Development Fund.

Allocations from the Academic Development Fund, to be established and maintained each year at 1% of the annual Operating Budget (approximately \$500,000 in 1974-75), would be considered by SCUP, through its Subcommittee on Priorities in Academic Development, in each of three categories: Special Projects; Faculty Redevelopment (Facilities); and Faculty Redevelopment (New Deans or Department Chairmen from Outside the University). The decisions of the Committee, made in accordance with established sets of guidelines for each of the three categories, would be forwarded directly to the Board of Governors for approval.

#### Senate Committee on University Planning: Executive Secretary

In October Senate considered and approved a proposal to create an administrative position of Executive Secretary to the Senate Committee on University Planning. The incumbent, to be appointed as a special assistant to the President (Chairman of SCUP), would be charged primarily with responsibility for developing the complex data base essential to long term University planning and coordinating the subsequent activities and deliberations of the Committee in its formulation of a long term plan for University development.

In January, the Advisory Committee to the Chairman of SCUP for the Selection of the Executive Secretary, reported that, in view of the heavy and exacting nature of the tasks involved, it had become necessary to divide the original position into two appointments. It was announced that Professor Andrew Grindlay of the School of Business Administration had been appointed Executive Secretary of SCUP with responsibility for coordinating the development of a comprehensive plan for the University for the period of 1976 - 1980, and that Professor John H. Blackwell, Chairman of the Department of Applied Mathematics, had been appointed Special Assistant to the President with responsibility for the development of a comprehensive, analytical data base.

## UNIVERSITY GOVERNANCE AND ADMINISTRATIVE POLICIES

### The University Act

In January 1973, when agreement could not be reached on the report of the Joint Senate/Board Committee (the "Rayner Report"), the Senate Committee on University Planning was charged with responsibility for recommending an acceptable solution to Section 26 (Senate membership composition) and to other areas of dissent. Early in October a subcommittee of SCUP published a draft set of recommendations which formed the basis for free discussion at two public meetings open to all members of the University Community.

The final report of SCUP was received in October and debated at a Special Meeting early in November. The most important and significant change recommended in the Report called for an increase in student representation from one graduate and two undergraduates to three graduates and eight undergraduates. This increase was to be accommodated without significant increase in the overall size of Senate by parallel decreases in the number of representatives from the Faculty of Graduate Studies and the General Community, along with other minor adjustments in the distribution of representation. On motion by the student members, Senate approved an amendment providing for representation by twelve undergraduate students. With this amendment the Report was adopted and the President was authorized to appoint a subcommittee to prepare a "draft Act", incorporating in appropriate "legal language", the resolutions endorsed by Board and Senate.

A draft Act was submitted for review by Senate early in February; completion of the debate required a second Special Meeting. Strangely enough, the debate in Senate was entirely concerned with two sections dealing with the membership of the Board. The vast majority of members objected strenuously to the clause limiting Board membership to Canadian citizens. This stipulation had been inserted on the recommendation of representatives of the Ministry of Colleges and Universities on the grounds that the Legislature would not approve the Act without it. Senate, with concurrence by the Board, approved deletion of this clause with the intention of forcing the Legislature to act on its own initiative to reinstate it.

In May, following passage by the Provincial Legislature of a bill establishing the University of Western Ontario Act, 1974 (and in which the citizenship requirement had been reinstated), Senate appointed an Imp-

lementation Committee to bring forward by August 15th, recommendations for the reconstitution of Senate in accordance with the provisions of the new Act.

### Conditions of Appointment

In February 1973, proposals designed to clarify several sections of the Conditions of Appointment document relating to the "timing" of actions associated with Limited Term and Probationary Appointments were tabled for further consideration and consultation with the Faculty Association. In October, amendments to three Sections (A.22, B.12(b), and B.25) were approved which, in two instances, saw the introduction of deadline dates for informing faculty members of the appointment status. In January 1974, a fourth section (B.14) was amended to provide for the option, at the discretion of the Departmental Committee on Promotion and Tenure, of consideration by the Appointments Committee of the reappointment of members of faculty with expiring Limited Term Appointments.

In March 1974, further changes in "Conditions of Appointment" were introduced. The former Promotions Committee (Appeals) was reconstituted as the Senate Committee on Promotions and Appeals, with expanded membership and three operational divisions: Promotions Division, Appeals Division (Academic), and Appeals Division (Procedural). It was noted that one of the principal advantages of the new procedures would be increased flexibility in arriving at panels of "disinterested" persons for consideration of both promotions and appeals.

In December of 1971, "to encourage experimentation in the composition and procedures governing Committees on Appointment, Promotion and Tenure", Senate had approved delegation to Faculties/Departments of authority to conduct such experiments for a two-year trial period commencing July 1, 1972. In March 1974, in anticipation of the termination of this "experimental period", an ad hoc committee was appointed to investigate and report on the results of the experiment and to make recommendations for future action. The following month, to provide adequate time for the preparation of the Committee's report and its debate by Senate, and yet not interfere with the annual operation of the Departmental/Faculty Committees on Appointment, Promotion and Tenure, the period of experimentation was extended by one year to June 30, 1975.

### Termination of Faculty Appointments

In June 1973, an ad hoc committee was appointed to consider the feasibility of the policy and procedures recommended by the Office of the President for termination of appointments resulting from "circumstances beyond the control of the University". Consideration of the final report of the Committee, received in February 1974, was deferred to May to allow time for solicitation and submission of legal opinion. In the debate, it was quickly evident that many members of Senate were strongly opposed to particular provisions in the proposed policies and procedures, and, moreover, were unconvinced of the necessity for their introduction at this point in time. In recognition of the observation that policies of this nature should not be formulated in isolation but incorporated in the full context of the University's future planning, the matter was resolved by referring the Report to the Senate Committee on University Planning.

### Extra Remuneration for Faculty

The long awaited final Report of the Joint Senate/Board/Faculty Association Committee was received in July 1973, and distributed to all faculty members for their comments and suggestions by October 15th, 1973. In December, the Chairman of the Committee reported that after reviewing the faculty submissions, the Committee had found no basis on which to amend its final Report and continued with presentation of a lengthy and detailed explanation of the Committee's recommendation that extra remuneration be terminated. Further debate was deferred pending submission of these remarks in writing and of the comments of the Budget and Finance Committee on the financial implications of this aspect.

Finally, at a Special Meeting in March 1974, a full debate of the Report and all related documents was completed. Senate adopted, with some reorganization and amendment in wording, the recommendations of the Report in three main groups: those defining the responsibilities and basic duties of a member of faculty; those outlining the related activities, both internal and external to the University which may be undertaken for supplementary income without encroachment on the basic duties; and finally, those defining the procedures by which a member of faculty may undertake related activities which are deemed to be an encroachment on regular responsibilities.

The section of the Report dealing with the long contentious issue of extra remuneration for academic counselling, and more particularly, teaching in Summer School, Extension and Correspondence, and which recommended termination of such extra remuneration at May 1, 1975, was rejected overwhelmingly.

\*\*\*\*\*

This report would not be complete without acknowledgement of the Senate's great debt, and the appreciation of its members, for the contributions of Dr. J. K. Watson, who commenced a well earned study leave on January 1, 1974 prior to retirement at December 31, 1975, as Registrar and Secretary of Senate. Dr. Watson, first appointed Registrar and Secretary in 1962, was deeply involved from the inception of the "new" Senate in 1967. In no small measure, the successes of those initial years may be attributed to the initiative, foresight, and dedicated efforts of Keith Watson. Members of Senate and the University paid tribute to Keith at a reception held in his honor following his last official meeting in December.

OFFICE OF THE REGISTRAR

Report of the Registrar

MR. W. G. NEDIGER

The 1973-74 year saw significant improvements in the Office of the Registrar in three areas, namely physical location, the scheduling and pre-registration systems and organization.

## ORGANIZATION

January 1, 1974 brought the formal split between the offices of the Registrar and the Secretary of Senate with Mr. W. G. Nediger assuming the position of Registrar and Dr. W. C. Howell becoming the Secretary of Senate. Such a division made it possible for each of the above to devote full time to the respective offices resulting in a more in depth supervision in both cases.

A further change took place as the Althouse College registrarial functions were assigned to the Office of the Registrar. This move brought an additional three senior staff positions and six secretarial/clerical positions to the organization. Detailed organizational charts, position description and operating manuals were compiled for all areas and all personnel within the office.

## PHYSICAL LOCATION

October, 1973, was the date of the move of the Office of the Registrar to the main floor of the newly converted Stevenson-Lawson Building. The move provided the office with much needed space of a quality greatly superior to that previously occupied. The resulting lift in moral of all staff brought about a pleasant atmosphere and enjoyable working relationships among all divisions.



## PERSONNEL

The very nature of the work and those employed creates a constant movement of personnel. However, this year saw fewer changes with the two major ones being the resignations of Mr. I. P. Suttie, Associate Registrar Scheduling and Mrs. D. Itenson, Office Manager. Both were key persons in the office and all involved were sorry to lose them.

Mr. Glenn Harris, previously with D.I.A.S. replaced Mr. Suttie and has proven to be an excellent choice. Mr. Fred Jones was appointed Office Manager after a brief sojourn in a position under the Vice-President Administration which position ceased to exist. Both replacements have been most successful.

## REGISTRATION

The Scheduling and Pre-registration system was proven to be successful and far superior to the old "arena" system of the past. The manual procedures and controls coupled with the computerized system developed the previous year resulted in a large percentage of the student body being fully timetabled prior to registration. Thus, in most cases, registration required approximately 15 minutes per student.

The fixed program groups that were so badly done the year before were incorporated into the mail-registration procedure used for the professional schools and again success resulted.

By June of 1974, further refinements were being incorporated into the system for the 1974 registration.

## COMMUNICATIONS

One of the major organizational changes within the office took place at the time of the move to the new quarters. Mr. W. Barill was appointed Associate Registrar Communications and Mr. G. Roberts, Assistant Registrar Communications.

The Communications division within the office assumed responsibility for all liaison functions, the General Information Booklet, the main information counter and telephone communications.

The consolidation of these duties under Mr. Barill has proven to be successful in that information is much more readily available to our public in much more pleasant surroundings.

#### ADMISSIONS

Mr. J. Wilgar has continued to provide mature leadership in the Admissions area. His staff have overcome the many difficulties that were inevitable as the Ontario Universities Application Centre was incorporated into our system. This meshing of the two systems served to focus attention on the dire needs to overhaul our present system. To this end a project team encompassing members of the Office of the Registrar and D.I.A.S. was formed and funded by the Office of the President to develop a new system that will carry the student from the first point of inquiry through to and including Alumni status. The project is well underway and it is hoped that a new system will be in place late in 1975 or early 1976.

In the meantime much credit must go to Mr. Wilgar and his staff as they processed some 27,000+ applications, an increase of 4,000+ over the year before without additional staff.

#### PROGRAMS AND INFORMATION

Many of the personal relations with students revolve around Miss May and her staff. Although many of the problems are contentious it is through the pleasant, firm and untiring efforts of this group that most of the problems are solved to the mutual satisfaction of all.

The 1973 Spring Convocation was the largest in Western's history and was successfully brought about, from the point of view of this Office, by Miss May.

I cannot speak of Convocation without mentioning Mr. D. Henderson who has acted as Secretary to the Convocation Committee. It is his unusual flair for names and his awareness of the many minutae that lie behind the scenes that once again assured smooth and successful Convocations for the 5,000+ graduands in 1973-74.

#### GENERAL

Mr. Nediger was granted a study leave for 1974-75. In preparation for this Mr. G. Hartsell, Associate Registrar-Education was appointed Acting Registrar and assumed his duties in May of 1974. Mr. R. Vigna of the Communication Office was moved to Althouse to assist Mr. D. Galpin who was appointed Acting Associate Registrar-Education.

The enrollment gloom of 1972-73 was dispersed as is shown in the accompanying table. The forecast for the Fall of 1974 is most encouraging as there appears to be a general increase of from 6 to 7% in the province.

The working relationships of this office with those of the Deans, Senate Committee and Administration is most inspiring and augers well for the future.

TOTAL UNIVERSITY UNDERGRADUATE SUMMARY OF FULL-TIME ENROLMENT BY SEX 1973/74

	SEX/ YEAR		1	2	3	4	5	6	SPECIAL	TOTAL
ARTS	M		113	119	115	36	-	-	22	405
	W		239	238	254	74	-	-	16	821
BRESCIA	M		-	-	-	-	-	-	3	3
	W		98	87	63	1	-	-	40	289
BUSINESS	M		-	-	135	125	-	-	2	262
	W		0	0	17	13	-	-	1	31
DENTISTRY	M		-	-	56	47	42	50	-	195
	W		-	-	1	5	4	2	-	12
EDUCATION	M		-	-	-	-	-	-	382	382
	W		-	-	-	-	-	-	457	457
ENGINEERING	M		219	113	79	83	-	-	3	497
	W		2	3	-	-	-	-	1	6
HURON	M		126	68	70	11	-	-	1	276
	W		96	70	42	12	-	-	1	221
KINGS	M		154	138	122	27	-	-	6	447
	W		143	95	98	20	-	-	-	356
LAW	M		-	-	136	107	115	-	-	358
	W		-	-	33	28	17	-	-	78
MEDICINE	M		2	2	83	74	82	81	1	325
	W		31	71	79	67	12	11	-	271
MUSIC	M		75	56	40	19	-	-	7	197
	W		128	78	71	39	-	-	3	319
NURSING	M		1	1	3	-	-	-	-	5
	W		58	87	70	72	-	-	6	293

TOTAL UNIVERSITY UNDERGRADUATE SUMMARY OF FULL-TIME

	<u>SEX/ YEAR</u>	<u>1</u>	<u>2</u>	<u>3</u>
PHYSICAL ED.	M	175	68	49
	W	181	85	66
SOCIAL SC.	M	832	805	616
	W	602	552	447
SCIENCE	M	825	595	447
	W	483	242	172
TOTAL	M	2522	1965	1951
	W	2061	1608	1413
TOTAL		4583	3573	3364

ENROLMENT BY SEX 1973-74 - continued

<u>4</u>	<u>5</u>	<u>6</u>	<u>SPECIAL</u>	<u>TOTAL</u>
33	-	-	5	330
36	-	-	1	369
82	-	-	123	2458
53	-	-	53	1707
131	-	-	95	2093
31	-	-	16	944
775	239	131	650	8233
451	33	13	595	6174
1226	272	144	1245	14407

OFFICE OF THE COMPTROLLER

## Report of the Acting Comptroller

H. B. ROONEYOperations

The year ended April 30th, 1974, showed a net operating position of excess revenue over expense of \$1,170,395. However, the actual carry forward in surplus was only \$454,900 because \$715,495 was immediately set aside for budget units who reduced expenditures in 73/74 and therefore received this in increased budgets for 1974/75.

The flexible budgeting program improved our financial planning and expenditure pattern in 1973/74 and will greatly assist units in 1974/75.

On the revenue side of the statement, the total increased some \$6.3 million over last year. The largest increase was reflected in \$3.3 million from government grants and another \$1.3 million in assisted research.

Other increases resulted from increments of:

1. \$1 million due to greater enrolment of full-time students (7%) and part-time students (18%)
2. \$.4 million in miscellaneous revenues as a result of services to outside organizations e.g. joint appointments with teaching hospitals
3. almost \$.3 million in our investment income, currently in short term certificates whose yield rose significantly during 1973/74 and continues to do so.

On the expenditure side, total operating expenses increased \$5.3 million. These expenditures reflected the general increase in salaries, including the special non-recurring salary adjustment for the year.

The major items of increase were reflected in:

1. Instruction which increased almost \$2.3 million, slightly more than \$2 million was for salaries.
2. Physical Plant which increased by almost \$1 million. Over \$.3 million of the increase resulted from the higher government municipal tax transfer payment which flows through our accounts and is paid to the City of London. The remainder resulted from salaries, costs of utilities and other direct out-of-pocket expenses.
3. Staff benefit costs which continued to rise by almost \$.4 million for the year.
4. Cost of other expenditures which increased almost \$.6 million. Major shifts in expenditures occurred in scholarships reflecting the change in graduate scholarships and the new admissions scholarship program.

UNIVERSITY OF TORONTO

STATEMENT OF FINANCIAL RESULTS FOR THE YEAR ENDED 1974

AND FINANCIAL POSITION AS AT 31 MARCH 1975

PART I - SUMMARY OF FINANCIAL RESULTS

Ancillaries

Ancillary Operations for the year indicate that only two of the enterprises operated at a loss - the residences, at a very slight loss of \$260 and parking, at slightly more than \$9,000, after providing approximately \$89,000 for new parking facilities adjacent to the Social Science Complex and Teachers College.

It should be reported that the residences' loss of last year was covered by a transfer of funds from a restricted surplus account. The residences are now essentially in a break-even position at the end of 1974.

Food Services which suffered a loss last year, showed an excess this year of some \$16,000 and has reduced its accumulative deficit to slightly more than \$30,000. The remaining ancillary operations show an excess of revenue over expense.

Capital

The building program was limited this year due to the moratorium on capital funds by the Province of Ontario but two major projects are on schedule and should be completed during the coming fiscal year, e.g. The J. Gordon Thompson Recreation and Athletic Building and the addition to the Health Sciences Complex.

Conclusion

The year indicated to all within the University, that faculties, schools and departments, are fiscally responsible and have shown concern for the financial stability of the University by living within budget allowances. Although we face further inflationary pressures for 1974/75, it is anticipated that with continued financial planning, the University can restrict expenditures and therefore assist in maintaining financial stability.



STATEMENT OF CURRENT OPERATING REVENUE AND EXPENSE  
YEAR ENDED APRIL 30, 1974

(with comparative amounts for the year ended April 30, 1973)

OPERATIONS

	<u>1974</u>	<u>%</u>	<u>1973</u>	<u>%</u>
<b>Revenue:</b>				
Student academic fees	\$10,911,970	16.5	\$ 9,921,194	16.6
Income from investments (including general endowment)	967,425	1.5	705,801	1.2
Gifts and grants for operating purposes	145,241	.2	111,921	.2
Miscellaneous	2,067,855	3.1	1,697,434	2.8
Athletics	402,197	.6	344,016	.6
	<u>14,494,688</u>	<u>21.9</u>	<u>12,780,366</u>	<u>21.4</u>
<b>Government grants for operating purposes:</b>				
General -				
Province of Ontario	41,323,543	62.5	38,319,056	64.1
Municipal - City of London	150,000	.2	215,000	.3
- Counties	26,200	.1	6,500	.0
Restricted - Province of Ontario -				
Trois Pistoles Summer School	32,520	.1	30,789	.1
Municipal taxation reimbursement	683,960	1.1	339,175	.6
English Summer School	23,983	.0		
	<u>42,240,206</u>	<u>64.0</u>	<u>38,910,520</u>	<u>65.1</u>
Grants for assisted research (as applied)	<u>9,331,627</u>	<u>14.1</u>	<u>8,077,863</u>	<u>13.5</u>
<b>Total revenue</b>	<u>66,066,521</u>	<u>100.0</u>	<u>59,768,749</u>	<u>100.0</u>
<b>Operating expense:</b>				
Instruction	37,358,186	57.6	35,071,764	58.9
Libraries	3,994,668	6.2	3,991,348	6.7
Assisted research	9,331,627	14.4	8,077,863	13.6
	<u>50,684,481</u>	<u>78.2</u>	<u>47,140,975</u>	<u>79.2</u>
Administration	2,451,064	3.7	2,499,029	4.2
Alumni and information services	313,727	.5	303,915	.5
Plant operation and maintenance	6,163,117	9.5	5,179,774	8.7
Unallocated staff benefits	3,821,655	5.9	3,445,122	5.8
Other expenditures	1,317,464	2.0	693,338	1.2
Alterations and renovations	144,078	.2	246,131	.4
<b>Total operating expense</b>	<u>64,895,586</u>	<u>100.0</u>	<u>59,508,284</u>	<u>100.0</u>
<b>Excess of revenue over expense (note below)</b>	<u>\$1,170,935</u>		<u>\$ 260,465</u>	

Note : 1. Of the excess of revenue over expense for the year ended April 30, 1974 of \$1,170,935 an amount of \$715,495 has been deducted from Net Income Carried Forward and set aside in the restricted funds Balance Sheet to provide for expenditures in 1975 in accordance with the flexible budgeting program.

THE UNIVERSITY OF WESTERN ONTARIO

STATEMENT OF CURRENT OPERATING REVENUE AND EXPENSE  
YEAR ENDED APRIL 30, 1974

(with comparative amounts for the year ended April 30, 1973

ANCILLARY ENTERPRISES

1974

	Food Services	Residences	Apartments	Book store	Health Services	Parking	University Community Centre	Total	1973 Total
Revenue:									
Operations	\$1,507,188	\$3,188,583	\$592,767	\$1,962,924	\$354,181	\$277,193	\$695,623	\$8,578,459	\$7,343,742
Expenses:									
Operations	1,490,977	2,787,012	305,008	1,932,908	302,662	286,223	626,757	7,731,547	6,789,547
Mortgage payments		401,831	262,960					664,791	691,460
Provision for appliances			17,955					17,955	
	1,490,977	3,188,843	585,923	1,932,908	302,662	286,223	626,757	8,414,293	7,481,007
Excess (deficiency) of ancillary enterprise revenue over expense - carried forward	\$ 16,211	\$ (260)	\$ 6,844	\$ 30,016	\$ 51,519	\$ (9,030)	\$ 68,866	\$ 164,166	
	\$ (15,684)	\$ (227,382)	\$ 23,905	\$ 47,741	\$ (18,124)	\$ 33,745	\$ 18,534		\$ (137,265)

1973

FACULTY OF GRADUATE STUDIES

Report of the Dean

PROFESSOR H. B. STEWART

During 1973-74 the Faculty of Graduate Studies has experienced a period of modest growth and at the same time has been subjected to increasing extra-university influence from the Council of Ontario Universities and the Provincial government. Dr. R.G. Kidd has continued as Assistant Dean (Physical Sciences and Biosciences) as has Dr. W.H. Stockdale as Assistant Dean (Arts and Social Sciences) although we note with regret that Dr. Stockdale has elected to return to full-time activity in the Department of History shortly after the end of this academic year.

REGISTRATION

Following the rapid growth experienced by all graduate schools in the sixties growth at Western ceased by the 1971-72 year. After two years of stability there is perhaps now reason to believe that a modest growth has been re-established (see Table I). The alarming increase in part-time registration noted in the report for last year seems to have decreased so that while the rate is still increasing over that observed in the late sixties the linear rate of increase from 1968-69 to 1971-72 now seems to be re-established. The reasons for this fluctuation and decrease in part-time enrolment are less than clear but are probably partially attributable to introduction of a reduced post-residency fee. The detailed statement of registration by department is to be found in Table II.

DEGREES CONFERRED

Slightly fewer degrees were conferred in 1973-74 than in 1972-73. The nature and distribution of these are shown in Tables III and IV. The small decline presumably reflects the decreased enrolment in 1971-72 and 1972-73 (see Table I.).

GRADUATE STUDENT FINANCIAL SUPPORT

1) Ontario Graduate Scholarships

This year, for the first time, Ontario Graduate Scholarships which are awarded on merit and not by quota as in the case of previous Provincial programs were initiated. There were certain teething difficulties which, while not insurmountable, made the first year somewhat less successful than was originally hoped for. Of the 1,000 awards including 150 institutional awards fewer than 800 had been effectively distributed by June 30th (3 months after the announcement of the approved candidates). Improvement in administrative procedures, particularly with respect to the institutional awards, larger reversion lists, greater uniformity of standards between disciplines and greater liaison with the Universities with respect to priorities should go some distance toward remedying the deficiencies in this initial attempt to administer this complex program. An important change in the distribution of awards among disciplines has occurred. In the Ontario Graduate Fellowship Program (1973-74) in excess of 75% of awards were received in the Humanities and Social Science areas. In Ministry reports of primary awards (before reversion) this fraction had fallen to less than 55% with a corresponding increase in the Science areas and Business in the Ontario Graduate Scholarship program. It is clear that a merit-based competition on a provincial base is a workable proposition and if one can look forward to expansion of this program to a level where it meets the legitimate needs of Humanities and Social

Science it should become one of the principal supports of graduate work in the Province.

2) National Research Council

The decline in National Research Council support remains a cause for serious concern. The number of new scholarship awards fell from 38 to 26 and with continuing awards the new total of 52 is to be compared with 62 for last year and 66 the year before.

3) Canada Council Awards

Support from the Canada Council improved marginally over last year with a total of 61 graduate student awards of which 38 were new. These numbers compare with last years figures of 54 and 22. The increase in new awards is heartening.

4) Special Teaching Assistantships and Scholarships

This component of student support which at one time was a comparatively small component looms as an element of increasing importance as the external sources of support become increasingly less available. The Budget and Finance Committee has increased the budget of the program significantly and this supplement is most valuable in keeping graduate study in a healthy position.

5) Provincial Student Assistantships

For a number of years (since 1971) the Ministry of Colleges and Universities has permitted graduate students to receive from formula funds up to \$1,200. per term and \$2,400. in any three consecutive terms in return for services rendered. Within the last year representations from the Universities have been recognized by the Ministry and the rates effective September 1, 1974 will be increased to \$1,500. per term and \$3,000. for three consecutive terms.

6) Graduate Student Incomes

During the last year a comprehensive assessment of student income from all sources has been prepared by C.O.U. from data supplied by individual graduate schools. The average income of all full-time students in the Faculty is \$1,928. of which 42-43% is derived from formula sources. It appears the position of Western in the Provincial lists is not close to the top but if students in the M.B.A. and M.L.S. programs are excluded the remaining stipends are in a competitive position.

One of the on-going major problems in Graduate Studies will be the provision of support for students. The gradual reduction of personnel and research support from Federal agencies coupled with the abrupt contraction from 132 Ontario Graduate Fellowship holders in 1973-74 to approximately 70 Ontario Graduate Scholarship holders (after resignations) in 1974-75, has put severe strain on the resources available. If the Ontario Scholarship plan is allowed to expand some of the crisis aspect of graduate student support will be dissipated but a continuing period of tight funding of students is evident.

## DISCIPLINE ASSESSMENTS

A number of discipline assessments based on reports from the Advisory Committee on Academic Planning have been approved by the Council of Ontario Universities and these documents have been endorsed by the Ministry of Colleges and Universities. As well as Library Science noted in last year's statement, discipline assessments on Economics, Education, Chemistry, Geography, Solid Earth Sciences, Sociology, Political Science and Anthropology have now been published. The immediate consequences to this University have been to make few if any changes in the Economics, Education, Chemistry and Solid Earth Science programs. These reports recommend: (1) a moderate restriction on enrolment in the Ph.D. program in Geography; (2) a reduction of the Ph.D. program in Political Science such that the efforts of the department are focused on the Urban and Regional Government offerings; (3) Sociology concentrate on the development of a doctoral program in demography and that the development of a program in general Sociology at doctoral level be suspended in the immediate future and (4) Anthropology has been encouraged to proceed with its proposed Master's program in cognitive anthropology and linguistics.

In addition to these studies the status of a number of other assessments of disciplines under embargo or provisional embargo are reported in Table V (a) and (b).

As noted in previous reports the effectiveness of A.C.A.P. assessments remain to be tested. In the past year a procedure referred to as "consequent appraisal" has been evolved by the Ontario Council on Graduate Studies and approved by C.O.U. The rigour and consistency with which the "consequent appraisals" are applied to departments deprived of programs by the primary A.C.A.P. report will determine whether the discipline assessment procedure stands up to trial or not. It should be recognized that the fear of overlap between programs and of overproduction of doctoral graduates which provided the stimulus for discipline assessment seem to have largely abated for the present.

## NEW PROGRAM APPRAISAL

The Internal Appraisals Committee of the Faculty has continued to do yeoman service in the assessment of new programs, departmental offerings at the time of change in chairmanship and other programs as necessary. In the past year products of their appraisal including an M.Ed. program in Guidance and an M.Sc. and M.Cl.Sc. in Speech Pathology and Audiology have been approved by the Appraisals Committee of the Ontario Council on Graduate Studies. With these approvals and the lifting of the provincial embargo on Education programs the long-delayed initiation of formal graduate programs in Education has become possible. The Internal Appraisals Committee has also approved a novel master's program in Journalism and additional M.A.T. programs in French and Chemical Education which have not yet been acted upon by the Provincial Appraisals Committee.

TABLE I

ANNUAL REGISTRATION

<u>FULL-TIME</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>	<u>1972-73*</u>	<u>1973-74*</u>
Arts	181	211	196	147	162
Biosciences	306	319	285	240	283
Physical Sciences	314	338	313	255	246
Social Sciences	789	879	819	756	805
TOTAL	1,590	1,747	1,613	1,398	1,496
<u>PART-TIME</u>					
Arts	25	72	59	73	57
Biosciences	5	75	69	95	91
Physical Sciences	19	74	64	107	107
Social Sciences	43	148	178	215	177
TOTAL	92	369**	370**	490**	432**
<u>NON-RESIDENT</u>					
Part-time and non-resident excluding qualifiers	224	331	370	490	432
GRAND TOTAL (excluding qualifiers)	1,652	1,918	1,889	1,888	1,928
<hr/>					
% change over previous years	+20.1	+16.1	-1.5	-0.05	+2.11
% part-time and non-resident excluding qualifiers	14.1	17.3	19.6	25.9	22.4
% part-time and non-resident excluding M.B.A.'s and qualifiers	17.3	21.7	24.7	33.4	29.10

\* Qualifying year students included except in 1972-73 and 1973-74

\*\* Includes non-residents.

TABLE II

FACULTY OF GRADUATE STUDIES  
1973 FALL TERM REGISTRATION

Registration for the 1973 Fall Term as shown below is based on the "Frozen File" of December 11, 1973. The Divisions of the Faculty of Graduate Studies are employed in grouping Departments, Faculties, Schools and professional degree programs as outlined in the Constitution of the Faculty of Graduate Studies. For comparison, the registration as of November 15, 1972, is reported using the same Divisions.

DIVISION	MASTERS LEVEL		DOCTORAL LEVEL		TOTAL Fall '73	TOTAL Fall '72
	FT	PT	FT	PT		
<b>ARTS</b>						
Classics	4	2	0	0	6	5
English	24	10	42	10	86	88
French	10	3	12	11	36	42
German	3	1	0	0	4	3
Music	16	8	0	0	24	16
Philosophy	22	1	24	10	57	53
Spanish	5	1	0	0	6	13
<b>SUBTOTAL</b>	<b>84</b>	<b>26</b>	<b>78</b>	<b>31</b>	<b>219</b>	<b>220</b>
<b>BIOSCIENCES</b>						
Anatomy	10	0	2	1	13	9
Bacteriology & Imm.	5	0	10	0	15	14
Biochemistry	16	2	11	3	32	26
Biophysics	11	4	14	1	30	25
Epidem. & Prev. Med.	2	0	5	1	8	6
Pathology	1	0	3	0	4	4
Pharmacology	9	1	3	4	17	15
Physical Education	18	14	0	0	32	42
Physiology	6	1	6	1	14	18
Plant Sciences	10	0	21	2	33	27
Psychology	39	12	49	29	129	114
Zoology	12	3	15	9	39	33
M.Cl.D.	4	0	0	0	4	0
M.Cl.Sc.	1	3	0	0	4	2
<b>SUBTOTAL</b>	<b>144</b>	<b>40</b>	<b>139</b>	<b>51</b>	<b>374</b>	<b>335</b>
<b>PHYSICAL SCIENCES</b>						
Applied Mathematics	4	0	8	4	16	18
Astronomy	6	1	3	0	10	13
Chemistry	8	4	40	5	57	65
Computer Science	20	7	0	0	27	22
Engineering Science	47	54	29	15	145	136
Geology	18	2	13	6	38	36
Geophysics	6	1	6	3	16	16
Mathematics	6	0	11	2	19	23
Physics	10	2	11	2	25	33
<b>SUBTOTAL</b>	<b>125</b>	<b>70</b>	<b>121</b>	<b>37</b>	<b>353</b>	<b>362</b>

DIVISION	MASTERS LEVEL		DOCTORAL LEVEL		TOTAL Fall '73	TOTAL Fall '72
	FT	PT	FT	PT		
<b>SOCIAL SCIENCES</b>						
Business Admin.	447	1	18	7	473	449
Economics	14	0	29	11	54	70
Education	0	51	0	0	51	62
Geography	26	10	13	11	60	77
History	47	15	6	5	73	57
Library Science	132	27	2	0	161	150
Nursing	11	7	0	0	18	20
Political Science	24	23	6	5	58	60
Sociology	30	4	0	0	34	26
<b>SUBTOTAL</b>	<b>731</b>	<b>138</b>	<b>74</b>	<b>39</b>	<b>982</b>	<b>971</b>
<hr/>						
<b>TOTALS</b>	<b>1084</b>	<b>274</b>	<b>412</b>	<b>158</b>	<b>1928</b>	<b>1888</b>

SUMMARIES

FALL 1972

FALL 1973

FULL TIME

FULL TIME

Master's Level	987
Doctoral Level	411
<b>TOTAL</b>	<b>1398</b>

Master's Level	1084
Doctoral Level	412
<b>TOTAL</b>	<b>1496</b>

PART TIME

PART TIME

Master's Level	302
Doctoral Level	188
<b>TOTAL</b>	<b>490</b>

Master's Level	274
Doctoral Level	158
<b>TOTAL</b>	<b>432</b>

GRAND TOTAL: 1888

GRAND TOTAL: 1928

Part Time = 26%  
Full Time = 74%

Part Time = 22.4%  
Full Time = 77.6%



TABLE III  
DEGREES CONFERRED

Classified by Division to show 5-year trend.

<u>ARTS DIVISION</u>	<u>1969-70</u>	<u>1970-71</u>	<u>1971-72</u>	<u>1972-73</u>	<u>1973-74</u>
Ph.D.	2	4	7	6	10
M.A.	81	68	71	48	43
M.M.	0	0	2	1	4
<b>Subtotals</b>	<b>83</b>	<b>72</b>	<b>80</b>	<b>55</b>	<b>57</b>
 <u>BIOSCIENCES DIVISION</u>					
Ph.D.	25	28	30	27	29
M.Sc.	24	29	18	24	17
M.Cl.Sc.	0	0	1	0	2
M.A.	20	26	36	39	29
<b>Subtotals</b>	<b>69</b>	<b>83</b>	<b>85</b>	<b>90</b>	<b>77</b>
 <u>PHYSICAL SCIENCES DIVISION</u>					
Ph.D.	31	25	31	35	27
M.Sc.	42	45	35	36	29
M.E.Sc.	21	11	22	20	7
M.Eng.	14	22	19	25	15
M.A.	8	6	15	4	7
<b>Subtotals</b>	<b>116</b>	<b>109</b>	<b>122</b>	<b>120</b>	<b>85</b>
 <u>SOCIAL SCIENCES DIVISION</u>					
Ph.D.	5	10	14	20	16
M.A.	63	64	75	55	65
M.B.A.	168	202	189	193	205
M.L.S.	62	198	139	127	145
M.Sc.N.	7	8	12	20	13
M.Sc.	0	2	0	1	0
<b>Subtotals</b>	<b>305</b>	<b>484</b>	<b>429</b>	<b>416</b>	<b>444</b>

TABLE IV

DEGREES CONFERRED

Classified by Discipline to show 2-year comparison

<u>ARTS DIVISION</u>	Ph.D.		M.A.		M.M.	
	1972-73	1973-74	1972-73	1973-74	1972-73	1973-74
Classics	0	0	1	6	0	0
English	1	0	22	17	0	0
French	2	4	6	5	0	0
German	0	0	2	4	0	0
Music	0	0	0	1	1	4
Philosophy	3	5	6	3	0	0
Spanish & Italian	0	0	11	6	0	0
<b>TOTALS</b>	<b>6</b>	<b>9</b>	<b>48</b>	<b>42</b>	<b>1</b>	<b>4</b>

<u>BIOSCIENCES DIVISION</u>	Ph.D.		M.A.		M.Sc.		M.Cl.Sc.	
	'72-73	'73-74	'72-73	'73-74	'72-73	'73-74	'72-73	'73-74
Anatomy	2	2	0	0	2	2	0	0
Bacteriology & Imm.	4	1	0	0	2	2	0	0
Biochemistry	3	0	0	0	4	3	0	0
Biophysics	3	1	0	0	4	1	0	0
Epidemiology	0	1	0	0	0	1	0	0
Medical Research	0	0	0	0	0	0	0	0
Pathology	2	1	0	0	0	0	0	0
Path. Chemistry	0	1	0	0	0	0	0	0
Pharmacology	0	2	0	0	0	2	0	0
Physical Ed.	0	0	14	9	0	0	0	0
Physiology	1	5	0	0	3	4	0	0
Plant Sciences	5	4	0	0	1	1	0	0
Psychology	5	6	25	21	0	0	0	0
Zoology	2	5	0	0	8	1	0	0
Surgery	0	0	0	0	0	0	0	1
Obstetrics and Gynaecology	0	0	0	0	0	0	0	1
<b>TOTALS</b>	<b>27</b>	<b>29</b>	<b>39</b>	<b>30</b>	<b>24</b>	<b>17</b>	<b>0</b>	<b>2</b>

PHYSICAL SCIENCES DIVISION

	Ph.D.		M.
	'72-73	'73-74	'72-73
Applied Mathematics	4	1	2
Astronomy	2	0	1
Chemistry	14	5	4
Computer Science	0	0	13
Engineering Science	8	8	1
Geology	3	1	4
Geophysics	0	1	1
Mathematics	3	4	0
Physics	1	6	10
<hr/>			
TOTALS	35	26	36

SOCIAL SCIENCES DIVISION

	Ph.D.		M.
	'72-73	'73-74	'72-73
Business Administration	4	7	0
Economics	6	3	14
Geography	5	5	3
History	5	1	17
Library Science	0	0	0
Nursing	0	0	0
Political Science	0	1	7
Sociology	0	0	14
<hr/>			
TOTALS	20	17	55

Sc.	M.A.		M.Eng.		M.E.Sc.			
	'73-74	'72-73	'73-74	'72-73	'73-74	'72-73		'73-74
2	0	0	0	0	0	0	0	86
3	0	0	0	0	0	0	0	
0	0	0	0	0	0	0	0	
14	0	0	0	0	0	0	0	
0	0	0	25	15	20	7		
3	0	0	0	0	0	0	0	
3	0	0	0	0	0	0	0	
0	4	6	0	0	0	0	0	
5	0	0	0	0	0	0	0	
<hr/>								
30	4	6	25	15	20	7		

A.	M.B.A.		M.L.S.		M.Sc.N.	
	'73-74	'72-73	'73-74	'72-73	'73-74	'72-73
0	193	205	0	0	0	0
13	0	0	0	0	0	0
15	0	0	0	0	0	0
12	0	0	0	0	0	0
0	0	0	127	145	0	0
0	0	0	0	0	20	13
12	0	0	0	0	0	0
10	0	0	0	0	0	0
<hr/>						
65	193	205	127	145	20	13

TABLE V (a)

FULL EMBARGO

	<u>ACAP Assessment</u>	<u>ACAP Recommendation</u>	<u>Embargo Removed</u>
Administration, Business and Management Science	In progress	-	-
Chemistry (doctoral)	Completed	Completed	Yes
Computer Science	Proposed for 1974-75	-	-
Criminology	No program at Western		
Economics	Completed	Completed	Yes
Education	Completed	Completed	Yes
Engineering (doctoral level)	Completed	In preparation	-
English (doctoral level)	No announced plan	-	-
French (doctoral level)	No announced plan	-	-
Geography	Completed	Completed	Yes
Geology & Earth Sciences	Completed	Completed	Yes
History	Completed	In preparation	-
Library Science	Completed	Completed	Yes
Mathematics	Proposed for 1974-75	-	-
Physical Education	Completed	In preparation	-
Physics (doctoral level)	Completed	In preparation	-
Planning & Environmental Studies	Completed	In preparation	-
Political Science	Completed	Completed	Yes
Religious Studies	Completed	In preparation	-
Sociology	Completed	Completed	Yes

TABLE V (b)

PROVISIONAL EMBARGO

	<u>Discipline Group Assessment</u>	<u>ACAP Recommendation</u>	<u>Embargo Remo</u>
Anthropology	Completed	Completed	Yes
Biophysics (doctoral level)	Completed	In preparation	-
Fine Arts			
Drama	Completed	Completed	Imminent
Music	In preparation	-	-
Art History	In preparation	-	-
Studio Art (MFA)	In preparation	-	-
Dance	Completed	Completed	Imminent
Journalism	Completed	Completed	Yes
Recreation	In preparation	-	-
Russian	In preparation	-	-
Spanish	In preparation	-	-
Interdisciplinary M.A. (York)	-	Completed	Yes
Landscape Architecture	-	Completed	Yes

FACULTY OF ARTS

Report of the Dean

PROFESSOR J. G. ROWE

The academic year 1973-74 has been relatively uneventful. My colleagues and I were encouraged at its beginning by a general increase in enrollment throughout the Faculty. Of particular interest was the rise in undergraduate registration in the Department of Philosophy. That our registrations continue to hold firm can be traced in part to the splendid relationships established by some of our departments with teachers in the secondary school system.

Throughout the Faculty I discern a steady growth in academic strength. The Faculty is becoming more productive in scholarly books, papers and addresses. I am especially pleased that many of my colleagues hold important positions in national scholarly organizations.

The summer of 1974 marks the 50th anniversary of the opening of University College. I am confident that the Faculty has not betrayed that act of faith a half century ago. Their ideals are ours. Yet ours, too, reflect the concerns of the present age. I am happy to report that the Faculty will sponsor in 1974 - 1975 a series of lectures designed to interest all members of the university community. The lectures will be on topics of general interest to an educated public. The lecturers will be drawn primarily from the Faculty of Arts without ignoring members of other faculties.

A second innovation holds great promise. The Council of the Faculty has approved (and the Senate Committee on Admissions and Academic Programs Policy has concurred) the creation of a series of Faculty of Arts courses involving members of departments within the Faculty and without. It remains to be seen what this development will elicit from members of the Faculty. However the mechanism is now established which will allow for cautious, controlled, but nonetheless innovative experiments in the design and mounting of new courses which will hopefully transcend departmental and disciplinary boundaries.

Each year is marked by the sadness of departure. We said farewell to three colleagues this year: Nina Bernotas of the Department of Russian Studies, George Buckley of the Department of English, and R. L. Allen who has been the academic counsellor in the Dean's Office. We owe our colleagues much and wish them happiness now and in the future.

Professors Paul Fleck and Weston Flint have voluntarily relinquished their positions as chairmen of the Departments of English and Spanish and Italian respectively. This is a heavy loss to us all, especially to me. However, I console myself with the conviction that their excellent service to their departments, the Faculty and the University has not ended but in fact is just beginning.

Many honours have been bestowed on members of the Faculty during the past year. I mention only two: the admission of Carl Klinck, Professor Emeritus, of English, to the Order of Canada; the appointment of Douglas Gerber, Chairman of the Department of Classical Studies, as Editor of Trans-



actions of the American Philological Association. He is the first Canadian so honoured in the history of this prestigious publication which extends back more than a century.

In closing, I wish to thank all my colleagues for their continuing cooperation. Thanks also should be tendered to all our chairmen, past, present and to come. I am particularly mindful of the services of Dr. Graham Rose, the Assistant Dean of the Faculty of Arts, who will be Acting Dean during my absence for a year beginning 1 August, 1975.

THE FACULTY OF ARTSDEPARTMENTAL REPORTSDEPARTMENT OF CLASSICAL STUDIES

The High School lecture series continued under the supervision of Professor A. R. Littlewood. Lectures were given by N. B. Crowther ("Sport in Ancient Greece") and D. P. Stanley-Porter ("Going to the Theatre in Ancient Greece"). Liaison with the High Schools also involved nine visits to various schools by Professors Gerber, Littlewood and Murison.

Saturday, October 27, was devoted to a Colloquium on Euripides. This is the Department's fifth annual colloquium and it is now an established feature of Classical Studies in Canada.

Registration in the translation courses continues to increase and some modest improvement in the numbers of honors students has developed. Graduate enrolment remains largely unchanged.

Professor N. B. Crowther was elected Treasurer of the Classical Association of Canada for a two-year term and Professor D. E. Gerber was elected Editor of Transactions of the American Philological Association for a three-year term. Professor A. R. Littlewood served as judge of the Latin Sight Contest for undergraduates, sponsored by the Classical Association of Canada.

DEPARTMENT OF ENGLISH

The writer-in-residence was a great success this year; The Pom Seed sallied forth with spirit into its second number; English 38 and other things Canadian flourished; notwithstanding some difficulties, Speech 43 continues on the road to respectability; the Film courses, over which we have been ever vigilant are now fully valid as university courses; this year's new courses have overcome their major birth pangs; the Drama Workshop has had an exciting first year, and a second, advanced course in Dramatics will be introduced this fall; the new English 20, also to be introduced this fall, is an improvement over the old one without intruding upon any of the old one's strengths; the re-introduction of English 20A, a special section for those who intend Honors work in the humanities, is a great step forward in renewing the sense of structure in the program as a whole, and the Department's re-affirmation of the nature of its Honors programs, in the face of the proposals put forward in some of the appraisals, is a victory for common sense and for a sense of perspective; the Remedial English program has been much praised by those faculties which have used it; two new and generous scholarships for Honors English students have been established; our relations with High School Teachers have never been better, and we have planned a major conference for them on November 2 next term; English will be reinstated as a university requirement for admission in 1977.

DEPARTMENT OF FRENCH

The academic year started off with a better enrolment than the one from the previous year. Last minute additional sections had to be set up for beginners, French 002 and French 010. Reasonable and manageable class sizes were reached at almost all levels: it should be mentioned that the fourth year honors French Language and Literature had a total of 28 graduates.

In the area of graduate studies good enrolment both quantitative and qualitative, was encouraging. This year four Ph.D. candidates obtained their degree, Dennis Essar, Clive Ramkeessoon, Ian Richmond and Frank DiTrolio. Two M. A. candidates Anna Hargreaves and Vincent Schonberger graduated in 1973-74.

The efforts of the Undergraduate Program Committee were successful in restructuring a Freshman course, French 021, which will be offered in the Fall of 1974. Parallel to French 020, French 021 will emphasize the study of the language, both at a practical and cultural, non-literary level.

On the cultural and intellectual front the year 1973-74 has been very rewarding. In the Fall, the French company "Le Tréteau de Paris" delighted their audience with a highly professional performance of L'Avare. Two Ionesco plays were produced by the Department and presented during three successful evenings in March. Faculty members and students teamed up to make this production a very rewarding experience. Finally, in May the French-speaking company from Toronto, "Le Theatre du P'tit Bonheur" performed with professional know-how a play from J. Cl. Germain, Les Tourtereaux.

As in the past, the Department of French, co-operated with the Association française de London in presenting a series of French speaking films. Eight films - - - 4 from France and 4 from Quebec, - - - were on the program and drew a large and satisfied public from inside and outside the university community. Praise for a well-organized series goes to Professors Ross and Vilquin and to the tireless devotion of Mrs. R. L. Walters.

Five guest lecturers visited the department this past year. From the Alliance française, Monsieur Bernard de Montgolfier and M. Beliard presented respectively the "Art et historie dans les chateaux de l'Ile de France, and the Troubadour of France through the ages. Both speakers delighted their audiences with their presentation and knowledge. Professor H. Francq from Brandon University gave two lectures on LaFontaine. Professor Malcolm Smith from the University of Leeds gave a highly scholarly lecture on Sixteenth Century Literature with which he is so well acquainted. Professor Jean Bruneau from Harvard University lectured on Balzac with insight and humorous overtones.

Initiative was taken in 1973-74 to acquaint faculty and graduate students with the current research of their colleagues. Several evenings, with an attendance of over 20 interested colleagues took place around informal but informative lectures by Professors Arnold, Baguley, Heller and Walters. These "literary evenings" have been a great experience and will become a tradition

and a sign of the intellectual vitality of the department.

Once again the highlight of the year was the annual department colloquium. The author and subject of Colloque 74 was Racine. With the presence of internationally known scholars such as Madame O. de Mourgues, Professor M. Delcroix, Professor John Lapp and Professor B. Beugnot, the Racine Colloque had to be, and was, a tremendous cultural event. It is proper here to thank once again the devoted co-workers in the colloquium Professors Dorothy Jones and Z. Youssef.

In 1973-74 two sabbatical leaves were granted: Professor Vilquin will spend a year in Paris and Dr. Louise Forsyth will study some socio-literary aspects of French-Canadian Literature.

Several colleagues will leave the university at the end of this academic year. They will all be remembered as friends, most pleasant colleagues and devoted teachers. The department extends its best wishes to Professors. C. Bowker, M. H. Ross, G. Gagnon, D. Keypour and A. Vikar and wishes them success in their future undertakings.

#### DEPARTMENT OF GERMAN

Departmental enrolment totals were down somewhat from 1972-73, with decreases primarily in the second-year honors courses and two service courses outweighing increases in the more advanced honors courses. In order to enrich our offerings for students, to encourage interdisciplinary studies, and to make greater choice available for students selecting their second-year honors courses, we have introduced, effective 1974-75, a new Honors Program in German Area Studies and two new second-year honors courses, one on the History of German Civilization (also available as a general course with readings, tutorial and written work in English), and one on Contemporary Society in Recent Writing. The new courses and the new honors program increase the emphasis on German culture and society and on the application of competence in German to other disciplines and will help students preparing for a variety of careers in addition to language teaching. The pre-registration figures point to an encouraging increase in enrolment next year in our honors courses and programs.

The policy of more careful supervision of teaching assistants was successfully continued this year under the supervision of Alex Anderson and Gunter Hess.

Two candidates no longer in residence successfully completed their work for the M.A. in the past year. We have adopted the policy of reducing the number of graduate courses offered at any one time, encouraging graduate students who are teaching assistants to spend more than a single academic year working on their M.A. Three students who started to work for the M.A. this past year will complete their work next year in accordance with this policy.

The program for a year's study in Germany by honors students in the

Department got off to a modest but successful start with three students at the University of Dusseldorf. So far five have signed up for this program next year, and in addition six students from Dusseldorf are to come to study at Western, making this a true exchange program.

We had four departmental colloquia. Two of these were conducted by members of the Department, Professor Hanna Spencer speaking February 5, 1974 on "Heinrich Heine, Grobater des deutschen Journalismus" and Professor Reneta Purekevich speaking February 19, 1974 on "Dr. med. Gottfried Benn. Eine Skizze." Two were conducted by candidates being interviewed for a temporary appointment next year. Mr. Manfred Winter from McGill University spoke January 22 on "Carl Sternheim's Theorie der 'eigenen Nuance'" and Mr. Roger MacGregor from Queen's University spoke January 29 on "Literary and Military Careers of the Expressionist Fritz von Unruh."

With the cooperation of our Dean, Dr. Kieser and other faculty members of Althouse College of Education, and with preparations by Professor R. Purekevich and several London high school teachers of German, members of our Department met high school students from this region who had taken the competitive high school German test at Althouse College February 14. We briefly discussed our programs and scholarships with them, had dinner together, and Professor Immerwahr awarded prizes to the successful contestants. While the students' examinations were being graded, they saw a full-length German film "Aufruhr im Schlaraffenland" procured by our Department.

Professor Tracy spoke about studies in German language and literature to students at Banting Secondary School, London, Harrow District High School, Belle River High School, and Bluevale Collegiate in Waterloo, and Blenheim District High School April - June.

German cultural films as well as attractive exhibits of posters and other art work were displayed as our Department's contribution to Western Open House last fall, prepared by Gordon Tracy and Richard Kimpel. Two full-length films "Die letzten Paradiese" and "Aufruhr im Schlaraffenland" were shown to students on our campus during the year.

Throughout nearly the entire academic year Professor Gordon L. Tracy conducted a weekly seminar on Bertolt Brecht to an audience of students, faculty and interested members of the community. These seminars were sponsored by Professors-Chaplains-SCM Study Group.

Professor Immerwahr submitted his resignation from the Chairmanship of the Department of German on medical advice but also with the hope of having more time for scholarly research and writing as well as teaching. The resignation takes effect officially September 1, 1975.

#### DEPARTMENT OF PHILOSOPHY

Undergraduate enrolment continued to increase this year, with an overall

increase of 37% over 1972-73. In the main, this was due to the continued popularity of Philosophy of Law and Philosophy of Education, and to the introduction of a new course, Philosophy 21, Reasoning and Critical Thinking. There was also a modest increase in honors enrolment.

Six students received their degrees in the honors programs this year, and seven graduated with an area of concentration in philosophy. In addition, six Ph.D.s were awarded during the year and three M.A.s.

There was a slight increase in the graduate program with 20 M.A. students and 22 Ph.D. students. Of the Ph.D. students, eight are in the special program in the Philosophy of Science.

Our Fall Colloquium this year, unlike most of its predecessors, concerned an historical topic, Cartesianism 1650-1750. It was organized by T. M. Lennon with the help of John Davis and John Nicholas. The speakers came from Canada, the U.K., the U.S.A. and France.

In the spring, an interdisciplinary workshop on Images, Perception and Knowledge was organized by John Nicholas, with participation by philosophers, psychologists and historians of science. Real collaboration among scholars in these various fields contributed greatly to the success of the venture. Especially to be mentioned are Professor Paivio of our Psychology Department and Professor Holmes of the Department of the History of Medicine and Science.

The monograph series, The University of Western Ontario Series in Philosophy of Science, begun the previous year under the general editorship of Professor Leach, has developed well, with two volumes now published and three in press.

The department has derived great benefit from its temporary members this year. These include Joel Rudinow of the University of British Columbia, visiting assistant professor, William Demopoulos of the University of New Brunswick, visiting assistant professor, and Nicholas Rescher of the University of Pittsburgh, visiting professor.

#### DEPARTMENT OF RUSSIAN STUDIES

In 1973-74 the total number of student registrations in courses offered by the Department decreased (by something like 25%) in relation to the year immediately preceding, while the number of Honors students remained virtually unchanged. A large portion of the Department's efforts during the year was directed towards review and re-examination of the existing course and program offerings, and consideration of possible improvements to the existing, or introduction of new, programs. The most significant development arising from this process was the submission by the Department of a project for M.A. Program in Russian Studies, to be implemented, if approved, in 1975-76. Another was the drafting of a proposal for Honors program in Russian Area Studies which is expected to be ready for submission in the autumn of 1974. This last project has a number of innovative features, both in its concept and in the method of

implementation, and it is geared somewhat more to the practical needs of graduates in relation to the employment market than a program concentrating mainly on the study of literature.

In November 1973 the Department was visited by Professor V. I. Kuleshov, Chairman of the Division of Russian Literature at Moscow State University. The visit to U.W.O. and other Canadian universities possessing Russian Departments of significance, was arranged by the Council for Academic Exchanges with the USSR and Eastern Europe, itself a product of the 1972 Canada-USSR agreement. While at Western, Professor Kuleshov met with the members of the Department, including a number of students, and delivered a two-hour lecture on 'The Current Problems of Soviet Literary Scholarship', followed by a brief question and answer period.

In the course of the second term of the academic year the Department offered a series of noon-hour lectures with the following speakers and topics: Dr. K. A. Papmehl on "Freedom of Expression in Russian and Soviet Literature", Dr. R. Neuhauser on "Critical Approaches to Dostoyevsky in the West and in the Soviet Union", and Dr. R. K. Wilson on "Current Trends in Modern Polish Science Fiction". Dr. G. M. Eramian gave a guest lecture at Ridgetown District High School on "The Writer's Role in Soviet Society". In response to an invitation by the Department of History, Dr. Papmehl participated, throughout the academic year, in the course "History 487" (Directed Readings in History). The Department as a whole took part in the "Open House" activities, in October 1973, with a display of a variety of exhibits pertaining to Russian, Polish, and Ukrainian languages, literatures and cultures, with talks on specific topics offered by faculty members.

#### DEPARTMENT OF SPANISH AND ITALIAN

The Department showed a decrease in course registrants from 559 during 1972-73 to 426 in 1973-74. The Italian enrolment rose from 140 to 149 during that same period. At the graduate level, the Spanish M.A. Program had 8 graduands at Spring and Autumn Convocations and 6 students continuing their M.A. studies.

The Department re-hired Mr. J. E. Diehl to replace Professor J. Asensio who was on sabbatical leave. In addition two new replacements were hired to replace professors on leave-of-absence. Mr. J. Campana and Mr. D. Lillico substituted for Professors R. Belladonna and B. W. Munn, respectively. Professor Munn was granted leave-of-absence from the University to serve as the Regional Director for CUSO's Latin American projects for 1973-74 and 1974-75. Part-time Instructors hired for the year were Professor D. Lenardon of King's College, to teach Italian and Ms. B. Barratt, to teach Spanish.

After nine years as Chairman of the Department, Professor W. Flint tendered his resignation to return to full-time teaching and research. Professor A. Marti has been named Acting Chairman for 1974-75.

In the academic area, Senate approved the adoption of two new courses, Spanish 135 ("Love in Hispanic Literature") and Spanish 232 ("Cultural Dynamics of Spain"). Spanish 135 is a study of the changing patterns of love in Hispanic

literature from the Moslem period to the present day. Spanish 232 is an introduction to the historical, political, philosophical and artistic evolution of Spain and Latin America and will make use of selected materials.

The Department entertained three Visiting Lecturers during 1973-74. Professor S. B. Chandler of the University of Toronto lectured on "Time and the Romantics"; Professor P. Gil Casado of the University of North Carolina on "Los novelistas de la generacion del '54"; and Professor A. Zahareas on "Estebanillo Gonzalez y la nueva orientacion de la picaresca". The Department also hosted a group of Secondary School teachers of Spanish at an informal dinner-discussion session held in May.

On May 4, His Excellency Baron Maurizio Destrobel, the Italian Ambassador to Canada, visited the University campus. Professor V. Brizio joined President Williams and Vice-President Rossiter in hosting the visit of the Ambassador.

Various faculty members were engaged in both academic and cultural contributions to the University and the community. Professor W. Burghardt continued in his position as Associate Editor of Sucasnist, a monthly Ukrainian journal devoted to literature, the arts and politics. He was also named Associate Editor of Vol. 6 of Slovo, an almanac of the Ukrainian Writers' Association in Exile. Professor V. Brizio organized the Department's contribution to Western's "Open House" last Fall, with displays of slides, music and artifacts from Spain and Italy and refreshments for the public. Mr. J. E. Diehl formed part of the winning duet championships for classical guitar, Open Class, in the Kiwanis Music Festival and also gave a concert in the Drama Workshop. Professor A. Marti participated in the Spanish Club's panel discussion on "Regionalism in Spain", giving his views on the situation in Cataluna. The discussion was organized and moderated by Mr. J. E. Diehl. Professor F. L. Smieja completed his term as President of the Ontario Chapter of the American Association of Teachers of Spanish and Portuguese. Professor Smieja also originated a new program on the community's Cable-cast television series, "Mosaic London". This program is aimed at introducing to the public Londoners from different countries with unusual hobbies and interests.

The Department would like to thank the Dean for his encouragement during the year, and for the financial help which permitted us to serve as hosts at the dinner-discussion session for the above-mentioned group of Secondary School teachers. We hope to be able to do this on an annual basis.

Last but not least, we would like to report that Linda Aurora Kricorissian was awarded a U.W.O. medal for Honors Spanish and Visual Arts' and Rosalyn Carol Romhild for Honors Spanish Language and Literature at the Faculty of Arts Awards Ceremony for Spring Convocation 1974.

#### DEPARTMENT OF VISUAL ARTS

This has been the seventh year of operation for the Department which has now changed its name from Fine Art to Visual Arts in an effort to define its objectives more clearly and describe its commitment to a more specific area of concentration.



The department has been run by a Committee structure and Acting Chairman while its Head, Dr. W. S. A. Dale has spent a sabbatical leave doing extensive research in Europe.

The addition of two new teaching positions (1 in Studio and 1 in Art History) effective July 1974 made it possible for the Curriculum Committee to completely re-evaluate the program now offered and to re-design it constructively to allow students more course selection and potential specialization in preparation for graduate studies. Two new courses in photography will be added next year as well as, for the first time, a full selection of courses in Art History.

The Slide Library increased its collection to 47,801 slides during the year and increased its loan service to departments and faculties within the University as well as to the London Public Library, London Secondary Schools, Fanshawe College and a large number of students outside the Visual Arts Department. Slide loans for the year total 5,779, an increase of 1,913 over the previous year.

It was an active year for students participating in the program. Bus trips were made to the Royal Ontario Museum, the Detroit Institute of Art, the Albright-Knox Museum and a three-day trip to visit galleries in New York City.

Three senior students shared a total of \$1,900 in commissions for works to be hung in the University Community Centre. The exhibition of graduating students held in the McIntosh Gallery drew considerable attention.

Departmental Public Lectures included a four-day seminar by Les Levine on Contemporary Visual Communication, sponsored jointly by this Department and Fanshawe College; "The New Art" by Professor Gregory Battcock, Editor of Arts Magazine in New York City, and "Structurism Today" by Dr. Stephen Bann, (co-sponsored by the Department of English).

Artists visiting the Department provided a lively interaction between student and professional. These included: Mr. Claude Breeze, Resident Artist, Takao Tanabe and Brian Fisher, nationally known Canadian artists, and several younger artists from the London community.

A joint exhibition by Faculty members "Recent Reflections" was held in the McIntosh Gallery from October 3-14, 1973 as well as the following exhibitions by Studio Faculty members:

Duncan deKergommeaux	"Art and the Corporate Identity" Marlborough Goddard, Toronto, Ontario, September, 1973.
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Paterson Ewen	One man exhibition, Carmen Lamana Gallery, Toronto, Ontario, October, 1973.
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Roly Fenwick

Group Graphic Show, Nancy Poole  
Studio, Toronto, Ontario, January,  
1974.

Annual Western Ontario Exhibition,  
London Public Art Gallery, May, 1974.

"Slides Eye View", London Public  
Art Gallery, May, 1974.

Arthur Handy

"The Isaac's Gallery Group", Owens  
Art Gallery, Mt. Allison University,  
Sackville, New Brunswick, March, 1974.

One man exhibition, the Isaacs Gallery,  
Toronto, Ontario, May, 1974.

In addition, major works authored by studio faculty members were purchased for the following collections:

Duncan deKergommeaux

Canada Council Art Bank  
J. C. Penny Collection, N.Y.C.  
United Trust Co., Toronto, Ontario.

Paterson Ewen

Canada Council Art Bank  
Department of External Affairs, Ottawa,  
Ontario  
National Gallery of Canada  
Art Gallery of Ontario

Arthur Handy

Sculpture Commission for Bramalea Office  
Building, Toronto, Ontario.

### LANGUAGE LABORATORIES

Quite apart from the primary purpose of the University Language Laboratories, that of providing a reliable and efficient TEACHING/LEARNING AID in the form of the laboratories themselves, the demands have been many and varied upon our resources during the past year. Requests for all kinds of portable audio-visual equipment has been particularly heavy.

As an experiment, a language course, in past years quite a heavy user of the language laboratories, decided to cut laboratory usage entirely from their programme last year. This was an obvious disappointment for us at the beginning of the first semester. As time progressed, and from feed-back directed at laboratory staff, it became evident that the experiment was far from the complete success anticipated. It is somewhat gratifying to note that lesson material for use by this course is already being prepared for use in the laboratory in the coming year. I think it would be fair to state that this experience has had some beneficial side-effects as far as the laboratory is concerned.

The largest single department which uses the language laboratories, the French Department, makes laboratory attendance a requirement of their undergraduate courses. Although benefits of laboratory attendance must relate to

the quality of the material used, I do believe this policy to be far superior to that followed by some other departments; that of making laboratory attendance 'an option'. I also believe that the facts will substantiate my remarks.

Professors G. Eramian and N. Bernotas spent many hours in the recording studio during the year recording a new series of Russian 2 lesson tapes tailor-made for this course. The scripts were written by Professor Eramian, requiring considerable hard work and research. I understand he is most happy with the end result and his students have certainly benefited by his efforts.

The Ad Hoc committee on the Language Laboratories voted to disband itself and, in the future, rely entirely upon direct communication between the individual departments and the staff of the language laboratories to formulate laboratory policy.

The longest 'on-location' recording session undertaken by the language laboratories during the year was a three-day colloque on RACINE, sponsored under the auspices of the French Department. We have now edited these tapes and they have been handed over to the French Department who will transcribe them for publication and possible broadcasting, as some previous COLLOQUE recordings have been.

WEEKLY BREAKDOWN OF LABORATORY USERS BY COURSE AND NUMBER

French 2	80	
French 10	62	
French 20	358	
French 31	41	
French 41	19	
French 271	127	
French 381	39 (78 every second week)	
	<hr/> 726	726
Russian Studies 2	23	
Russian Studies 20	18	
Russian Studies 291	4	
	<hr/> 45	45
German 2	46	
German 22	49	
	<hr/> 95	95
Spanish 20	60	
Spanish 21	60	
	<hr/> 120	120

Italian 2		70
Secretarial Science 35	87	
Secretarial Science 45	60	
	<hr/>	
	147	147
		<hr/>
	Weekly Total	1203

It is regretted that no figures are available for Students on Library work, nor for Summer School and Extension users.

THE FACULTY OF ARTSFACULTY PERSONNEL CHANGES

NEW APPOINTMENTS (effective July 1, 1973 unless otherwise stated)

Department of Classical Studies

Moscovitch, M. J.                      Visiting Assistant Professor

Department of English

Craig, J.	Lecturer (Sept. 1 to Apr. 30)
Douma, F. J.	Instructor (Nov. 1 to Apr. 30)
Laurence, M.	Visiting Associate Professor (Writer-in-Residence) (Sept. 15 to Dec. 15)
O'Shea, J. A.	Instructor (Remedial English) (Nov. 19)
Priestley, F. E. L.	Visiting Professor (July 1 to Aug. 10)
Ross, C.	Lecturer
Slan, J. H.	Lecturer
Wolfe, C. C.	Instructor

Department of German

Kimpel, R. W.                      Lecturer

Department of Philosophy

Binkley, R. W.	Chairman
Bronaugh, R. N.	Assistant Chairman
Rescher, N.	Visiting Professor (Sept. 1 to Apr. 30)
Rudinow, J.	Visiting Assistant Professor

Department of Spanish and Italian

Barratt, B. C.	Instructor (Sept. 1 to Apr. 30)
Campana, J.	Lecturer
Diehl, J. E.	Lecturer
Lillico, D. L.	Lecturer

Department of Visual Arts

DeKergommeaux, D.	Acting Chairman
Le Berrurier, D. O.	Assistant Professor

PROMOTIONS (effective July 1, 1973 unless otherwise stated)Department of English

Bolgan, A. C.	To Professor
Collins, T. J.	To Professor
Hair, D. S.	To Professor
Stingle, R. M.	To Professor

Department of French

Atance, F. R.	To Associate Professor
Baguley, D.	To Associate Professor

Department of Philosophy

Lennon, T. M.	To Associate Professor
Hooker, C.	To Professor

Department of Spanish and Italian

Newman, J. C.	To Associate Professor
Marti, A. M.	To Professor

LEAVES OF ABSENCE (for the period July 1, 1973 to June 30, 1974 unless otherwise stated)Department of English

Bandeen, B. I.	Associate Professor (Jan. 1 to June 30)
Buckley, G. E.	Associate Professor
Hair, D. S.	Professor
Rajan, B.	Senior Professor
Somerset, J. A.	Associate Professor

Department of French

Balse, M. L.	Associate Professor
Creighton, D. G.	Associate Professor

Department of Philosophy

Bub, J.	Associate Professor (Jan. 1 to June 30)
Hockney, D. J.	Associate Professor
Marras, A.	Associate Professor
Maynard, P.	Associate Professor

Department of Spanish and Italian

Asensio, J.	Associate Professor
Belladonna R.	Assistant Professor
Munn, B. W.	Assistant Professor
Newman, J. C.	Associate Professor

Department of Visual Arts

Dale, W. S.	Professor and Head
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RESIGNATIONS (effective June 30, 1974 unless otherwise stated)Department of English

Fleck, P. D.	Professor and Chairman (resignation from Chairmanship only)
House, G. S.	Assistant Professor

Department of French

Bowker, C.	Lecturer
Gagnon, G.	Assistant Professor
Ross, M. H.	Assistant Professor

Department of Spanish and Italian

Flint, W.	Professor and Chairman (resignation from Chairmanship only)
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RETIREMENTS (effective June 30, 1974)Department of English

Buckley, G. E.	Associate Professor
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Department of Russian Studies

Bernotas, N.	Assistant Professor
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SCHOOL OF BUSINESS ADMINISTRATION

Report of the Dean

PROFESSOR J. J. WETTLAUFER

The third year of the Plan for Excellence has enabled the School of Business Administration to set new records: the largest graduating classes in our history in both the Undergraduate and Graduate Programs; the reappraisal of the MBA curriculum; and the development of new and innovative approaches to the training of managers.

ADVISORY COMMITTEE

A very important factor in the success of the School has been the contribution of the Advisory Committee, both as a committee on the whole and as individual members. I will mention only a few of these contributions. It was Col. Allan Burton who initiated the Work in Industry Program which has successfully completed the pilot stage. John Stenason assisted in the development of the concept of "Management Tutorials". Working in cooperation with Canadian Pacific, the School will try to accommodate to the specific education needs of individual companies. Our first candidates for this program will be on stream this fall. Jack Armstrong has given advice, counsel and financial support to the Small Business Consulting Program which has spread across Canada and now embraces native peoples on an experimental basis. It was the Advisory Committee who suggested that the Associates' Research Day should not be confined to the University Campus but should be taken to the business community. As a result, the School took its program to Toronto and to Montreal. Another exciting development has been the experiment which has been negotiated with Imperial Oil. One of their senior executives will spend the coming academic year at Western as a lecturer in marketing and marketing research at considerable expense to the company. The School is constantly searching for new creative and innovative ideas. The Advisory Committee has been a real partner in these educational advances as well as the critical funding of project and case research which enables the School of Business to help all universities better serve the business community and Canada.

ACADEMIC PROGRAMSTHE UNDERGRADUATE PROGRAM

There were no major curriculum changes in the Undergraduate Program in the 1973/74 year. As is normal each year, however, there were a substantial number of modifications in course materials and program emphasis as faculty responded to changes in the environment and needs of the students.



There was continued high interest in the part of undergraduate students in a management education. Applications to the Junior year increased 14% to 369. Enrolment for the four-year period through 1973/74 is as follows:

<u>Enrolment</u>	<u>1970/71</u>	<u>1971/72</u>	<u>1972/73</u>	<u>1973/74</u>
Juniors	119	122	147	142
Seniors	<u>93</u>	<u>114</u>	<u>114</u>	<u>138</u>
Total	<u>212</u>	<u>236</u>	<u>261</u>	<u>280</u>

The Program has now reached a maximum size given the currently available faculty and support staff.

Four students worked in business with Simpson's Ltd. for the year between their Junior and Senior years. This "Students in Business Program", pioneered by Col. Allan Burton of Simpson's Ltd. and a member of the School's Advisory Committee, is designed to give students a practical and meaningful experience which will enrich their experience in the Senior year and assist them in career planning. In line with the policy of gradual expansion, six students will be working with either Simpson's or Canadian Pacific Ltd. during 1974/75.

#### THE M.B.A. PROGRAM

In the fall of 1973, Western's two-year M.B.A. Program welcomed its largest class ever -- 239 in number. These, coupled with 208 members of the second-year class, put the School well on its way to a projected enrolment of 500 M.B.A. students by 1975/76.

In addition to students from all 10 provinces of Canada, there were representatives from five other continents: 22 from Asia, 9 from continental Europe, 5 from Africa, and 4 each from South America and Australia. Fifteen members of the class were from Great Britain, 14 from the West Indies and 9 from the United States. In all, 28 countries were represented. Our continued ability to attract outstanding students from other countries helps reinforce the program's reputation as one of the world's leading schools of management.

Principal internal attention during the year was focused on various curriculum changes dictated by the constant need to impart new knowledge and new skills of management to cope with the most important developments of our time. Several elective courses have been introduced as second-year options in the last few years, and many have now been incorporated as permanent parts of the curriculum. Among these are Management of New Enterprises, Problems in Cross-Cultural Management, Business-Government Relations, Marketing and Public Policy and Managers of Change. In addition,

the School has incorporated a course review procedure by which all elective courses are reconsidered by the faculty as if they were new courses on a four-year rotation basis. This causes Faculty Council to re-evaluate all offerings on a regular basis, to regularly reconsider the question of how best to attain the Program's objectives.

During the year, a specially constituted group of seven faculty members performed a vigorous reassessment of the M.B.A. first-year program. As a result of their efforts, the Faculty Council voted in January to initiate an experimental first-year section for two years beginning in September 1974. New teaching techniques, new materials and new course offerings will be incorporated in the section in an effort to demonstrate means for improving the Program still more. We believe that the Program as it stands is sound in its conception, but that no program, however, sound, should be invulnerable to improvements.

#### THE DOCTORAL PROGRAM

The Doctoral Program experienced several highlights during the last academic year. Six students graduated, bringing our cumulative total to 23. The Faculty Council approved changes calling for increased flexibility in course requirements and sequencing in the first two years of the Program. These changes plus a decision to allow M.B.A. credit for designated doctoral courses make the Program more attractive for M.B.A. I's of high potential. Placement of the graduating class was relatively easy in a high demand market.

The first-year class was small with only five candidates. It is a high calibre group, however, and all five successfully passed the General Fields exam this spring. An upturn is expected in the number of candidates entering the 1974/75 program in the fall. The six candidates who successfully completed the Program and their current academic positions are as follows:

S. Ahmed	Assistant Professor Business Administration Bishop's University
N. Close	Special Assistant Bank of Canada Ottawa, Ontario
R. G. Cooper	Assistant Professor Faculty of Management McGill University

J. Grise	Assistant Professor Faculté des Sciences de l'Administration Université Laval
K. Loucks	Associate Professor & Director School of Commerce & Administration Laurentian University
R. More	Assistant Professor Harvard University

Five thesis year candidates have accepted positions at the following universities:

C. D. Anderson	University of Manitoba
R. Archibald	University of Guelph
J. Church	Laurentian University
U. Rege	Lakehead University
G. Sheehan	Wilfred Laurier University

Recipients of Canada Council Awards during 1973/74 were:

C. D. Anderson	P. Killing
R. Archibald	U. Rege
J. Church	P. Richardson
R. Falconer	G. Sheehan

#### NEW APPOINTMENTS, RESIGNATIONS, ETC.

The following are the changes in the Business School faculty for the coming year:

#### New Appointments

##### Assistant Professors

Bobeles, H. K.  
Brown, W. J.  
Jensen, J. M.  
More, R. A.  
Pearce, M. R.  
Piper, C. J.

##### Visiting Assistant Professor

Herskowitz, D. S.

Lecturers

Lewis, R. F.  
 Morgan, I. P.  
 Osborn, D. E.

Instructors

Lefebvre, R. A.  
 Richardson, O.

Promotions

Bishop, P. M.	Assistant Professor to Associate Professor
Graham, J. F.	Assistant Dean (Administration)
Kuechle, D.	Associate Professor to Professor
Wrigley, L.	Lecturer to Associate Professor

Leave of Absence

Associate Professor Kenneth Hardy - one year to teach on the Faculty of North European Management Institute at Oslo, Norway.

Professor A. Mikalachki - one year to teach on the Faculty of I.M.E.D.E. at Lausanne, Switzerland.

Sabbatical

Professor J. McDougall - Six months (January 1, 1974 until June 30, 1974) to do a special study on the role and responsibility of corporate directors.

Retirement (Early)

Professor F. W. P. Jones (part-time)

ResignationsAssistant Professors

ffolliott, J. D.  
 More, R. A.  
 Nobbs, R. A.

Lecturer

Hagerman, M.  
 Kudar, R. P.  
 Kuhlman, A. R.  
 Smith, P. A.

## RESEARCH AND PUBLICATIONS PROGRAM

The School's research program includes project research and the development of teaching materials, primarily case studies of actual management problems. These two activities complement each other in that the problems and issues researched often provide the case studies by which the research activity is communicated in the classroom. However, for reporting purposes it is easier to handle the two activities separately.

### PROJECT RESEARCH

The Associates' Workshop in Business Research awards Fellowships on an open competition on the basis of research proposals received from business faculty across Canada. Fellows spend about three months at Western conducting their research program. In 1973, ten Fellowships were awarded with Western faculty receiving two. Over the past four years, Workshop Fellows have produced a book, upwards of sixteen published articles and participated in many conferences and seminars as presenters of papers.

The following table summarizes the research output of the faculty over the past three years:

	<u>1971/72</u>	<u>1972/73</u>	<u>1973/74</u>
Books	4	2	3
Research Monographs	3	5	1
Journal Articles	23	24	23
Working Papers	25	19	21

In addition, faculty members presented papers at numerous academic conferences. An important part of our research activity involves interaction between the faculty researcher and the business community. Associates' Research Day involves faculty presenting research results to businessmen and receiving their feedback. For the first time, Associates' Research Day was held both in Toronto and Montreal in May 1974.

One research project generated a two-day conference at the School in September which 75 businessmen, government officials and academics from other universities attended.

### TEACHING MATERIAL DEVELOPMENT

Through a continuing program of case writing, the School attempts to maintain current, relevant and largely Canadian material in the classroom. In the past three years, the School has developed the following case studies.

	<u>1971/72</u>	<u>1972/73</u>	<u>1973/74</u>
Number of cases registered	107	154	158

PUBLICATIONS

The School published three books during 1974 and has two more in process at the end of the year. One of these was written by a former Workshop Fellow from the University of Saskatchewan. While publishing is not expected to be a major activity, certain studies which we believe to be useful to the business or academic communities and are not attractive to commercial publishers may be published subject to acceptable reviews.

THE CONTINUING EDUCATION PROGRAM

The Continuing Education Programs of the School, both regular and special programs, continue to provide stimulating and successful management development programs for Canadian and overseas managers. The following comparative data on enrolments indicates the progress made in this area:

	<u>1971/72</u>	<u>1972/73</u>	<u>1973/74</u>
<u>Regular Programs</u>			
Management Training Course	99	108	126
Marketing Management Course	87	103	124
Production/Operations Course	21	41	52
Computer and the Manager	25	39	27
Business Conference	205	205	145
		<u>1973/74</u>	
<u>Special Programs</u>			
Marketing Management (evening)		29	
Basics of Accounting and Finance for the Non-Financial Manager (evening)		27	
Canadian Institute of Management		140	
New Products, New Markets Symposium		75	

THE 1973 INDIAN BUSINESS ASSISTANCE PROGRAM

This program was a four-month pilot project initiated by the Business School and funded by the Department of Indian Affairs and Northern Development. There were six M.B.A. students staffing the project, and they were supervised by Professors Burgoyne, DiStefano, and Graham. Four students were stationed in London and provided no-cost consulting assistance in business management to Indian businesses located in Southern Ontario, one student was located in the Northwest Territories to provide aid to native people in developing feasible projects for funding, and one student worked in a Northern Ontario native community to provide consulting-training assistance to an Indian community cooperative.

The project had three objectives:

1. To offer no cost business assistance to Indian-owned and operated enterprises.
2. To develop a better understanding of problems faced by Indian entrepreneurs.
3. To establish a relationship between the Business School and the Indian business community.

These objectives were met and the Department of Indian Affairs and Northern Development has funded another similar project for the 1974 year.

#### THE 1973 SMALL BUSINESS ASSISTANCE PROGRAM

The Ministry of Industry and Tourism and Imperial Oil funded another program which was larger than the 1972 pilot project. The 1973 project involved 14 graduate and undergraduate business students who offered low cost consulting assistance to small Canadian-owned businesses in the London area.

A four-man Faculty Advisory Committee composed of Professors Bishop, Forsyth, Graham, and Kennedy supervised the 14 students for the May-August period. There were 67 consulting jobs successfully completed and a formal report was made to the Honourable Claude Bennett, Minister of Industry and Tourism, in Toronto in November, 1973.

The second year of this project, which was conceived and developed at the Western Business School, was so successful that the Ministry of Industry and Tourism in 1974 is funding this type of project at all Ontario universities that have business schools.

#### THE U.W.O./U.W.I./C.I.D.A. PROJECT

The second full year of our Caribbean activity resulted in substantial progress. The programs to strengthen the Caribbean staff, continuing education, the provision for physical facilities, and the writing of Caribbean teaching materials all developed well. It has been a good year.

One of the most encouraging aspects was the success in the area of staff development. Three of the first seven M.B.A. scholars will be employed by U.W.I. in the fall of 1974. Our ability to do constructive work with existing U.W.I. staff was enhanced by a revision of our basic C.I.D.A. contract to enable U.W.I. permanent staff visiting Western to bring their families to Canada. Under the new arrangement, it will be possible to expect almost all of the younger Caribbean staff men to come to Canada for significant periods.

Changes in the U.W.I. attitude towards faculty consulting now makes it possible for U.W.I. personnel to obtain useful practical management experience. Substantial increases, long overdue, in faculty pay levels at U.W.I. will work for a healthier future for Management Studies. The appointment of Dr. Eric St. Cyr as head of St. Augustine's Department was a tremendous forward step. The permanent staff at U.W.I. is developing in a most satisfactory way.

Professor C. B. Johnston has, since the inception of the contract, been actively encouraging the development of Caribbean teaching materials. This has resulted in scheduling a full casebook for use in the fall of 1974. We expect that a new building on each campus will also be available for the fall of 1974. These buildings include the most modern case discussion classrooms and will do much to lift the spirit of the teaching groups.

The first course for senior managers to be sponsored by the program was a success. Hugh Williams, a Jamaican and Western M.B.A., heads the activity. Three Western professors participated. The project was a U.W.I. affair and their staff carried the bulk of the load. A new industry Advisory Committee, which included Jamaica's leading managers, from both the public and private sector, was most helpful.

#### THE STUDENT JOB PLACEMENT PROGRAM

This year's Placement Program proved to be the most active in the School's history. Practically all the graduates had accepted jobs by April 30 when these statistics were compiled.

An increasing number of forms insist on prescreening candidates for the initial interview. While this practice lessens the number of interviews conducted on campus, the students now realize that the practice saves time for both parties.

The summary, immediately following, provides a three-year comparison of the gradual increment in the scope of the School's placement function.

	<u>1972</u>	<u>1973</u>	<u>1974</u>
Number of Companies Recruiting	124	136	158
Interviews for:			
MBA Graduates	1,352	1,643	1,903
BA Graduates	685	981	1,108
MBA I - Summer and intern	151	238	260
Junior - Summer and intern	31	110	126
Mean Salary:			
MBA Graduates	\$12,221	\$12,943	\$13,807
BA Graduates	8,745	8,686	9,296



Sixty-eight jobs were advertised on the bulletin boards and qualified students invited to respond directly to the firms involved. Of the 353 interviewers, 60 were former BA or MBA graduates.

This year, nineteen women received either the BA or MBA degree. Their initial assignments indicated an apparent trend that females are gaining a wider acceptance as a middle management resource, and the challenges offered are considerably more varied.

A distinct highlight was the publication of the first BA (honors Business) Graduate Brochure. This booklet was sent to approximately 850 firms and was warmly received. Its distribution will be a continuing activity.

The International Placement Committee initiated a descriptive leaflet for worldwide circulation. As a result, some of the overseas students accepted employment in their countries of origin.

#### THE BUSINESS QUARTERLY

During the past year, The Business Quarterly continued to make progress in the areas of subscriptions, renewal rates and the sale of reprints and copyright, further reflecting its place of prominence as one of Canada's oldest and most respected management journals. Advertising sales were below the previous year and this has been cause for concern. Efforts are being made to correct this trend which appears to be general throughout business publications in Canada.

Of the forty-one major articles published during the year, five were written by members of Western's Business School faculty. In addition, three members of Western's faculty continued to write their regular features for each issue: Ross Woodman, "Art and the Businessman"; Richard Hodgson, "Developing Human Resources"; and Andrew Grindlay, "You and the Computer". It is worthy of note that Peter Betts, Q.C., a London lawyer, and Kenneth W. Lemon, a Partner with Clarkson-Gordon, London, were honoured at The Business Quarterly's fortieth anniversary reception for having written their regular features on tax and law for more than fifteen years without missing a single issue! The balance of the articles were written by academics from other universities, persons in government and the business community.

Response to these articles has been unusually encouraging with 28,366 reprints being sold. Forty publishers of texts and business publications requested permission to reprint editorial material.

Approximately 37,000 copies of the magazine were again distributed and since a survey shows that an average of four persons reads each issue, this means a readership of some 148,000.

The Business Quarterly covers designed by Canadian artists, James Spencer, Tim Whiten and Leslie Smart, attracted much attention and the cover by Claude Breeze, Western's Resident Artist was considered outstanding.

#### WESTERN MANAGEMENT/PATTERN AND PROBE

Western Management/Pattern and Probe is a 36-page magazine published semi-annually for the interest of the Business School's Advisory Board, Associate Companies, graduates and friends.

Its editorial aim is to supply its 10,000 readers with information about the School's large spectrum of activities and its outreach into the national and international management community.

The editorial content of the magazine is written by and about faculty and by and about alumni and students.

The cost for the publication of this magazine is largely offset by the full-page display advertising it carries. Although its format has been changed, it is the continuation of the School's magazine "Pattern and Probe" established in January 1971. Doreen Sanders is editor and members of the editorial advisory board include: Dean J. J. Wettlaufer, C. B. Johnston, J. R. Kennedy and D. G. Burgoyne.

#### THE BUSINESS LIBRARY AND INFORMATION CENTRE

The trend toward increased use of Library materials for student research projects continued in 1973/74. This is attributed to the establishment of the Business Information Centre which has made it easier to locate information on companies, industries and economic conditions, and to the increasing emphasis that faculty are placing on the information-support role of the Business Library and Information Centre in the teaching process. As this process is built around the case method, the Library is experiencing stronger demands for "information", than for the more traditional literature of the field.

A Library Committee of seven faculty members, the Business Librarian, and one Ph.D. candidate was formed at the request of the Library System to ensure that the real needs of faculty are being served. This committee prepared a statement of the Collection Policy for the Business Library and Information Centre which was approved by Faculty Council. A second professional librarian, Miss Jean Law, was appointed by the University Chief Librarian to assist with implementing the Collection Policy statement and to strengthen reference service.

FACULTY OF DENTISTRY

Report of the Dean

DR. WESLEY J. DUNN

FUTURE DELIVERY OF DENTAL CARE AND ITS IMPLICATIONS  
ON THE DENTAL CURRICULUM

A major study was launched by the Committee on Undergraduate Dental Curriculum in the hope of ascertaining rather specific information in respect of the future delivery of dental care and from such information attempt to deduce the implications on the dental curriculum. A sub-committee was established consisting of Dr. David W. Banting, Associate Professor of Social Dentistry; Dr. Jacob Rozanis, Associate Professor of Microbiology; Dr. G. Z. Wright, Associate Professor of Paediatric Dentistry; and the Dean of the Faculty as the sub-committee chairman. During the year, the sub-committee presented Part I of its report and hopes, during the academic year 1974-75, to present Part II.

The sub-committee, after consultation with a broad spectrum of organizations and agencies within the dental profession, presented fourteen conclusions to its parent committee, the Committee on Undergraduate Dental Curriculum:

1. *This Faculty must maintain the accreditation status of "approved."*
2. *The graduates must be registrable and licensable and be able, without internship or a period of mandatory clinical experience between graduation and licensure, to engage in independent, unsupervised, general practice.*
3. *There is little tangible evidence to indicate a major trend toward the development and operation of true group practices.*
4. *For the foreseeable future, solo dental practice (as we define solo practice) will predominate as the method for the delivery of dental care.*
5. *The Government of Ontario, in a period of less than five years, will, almost certainly, add dental benefits to its Ontario Health Insurance Plan, such benefits likely to include an incremental care program for children and basic dental care for people over sixty-five.*
6. *There has been a significant growth in insurance programs through the private sector and that increasingly in union-negotiated labour contracts dental insurance will be included as an important fringe benefit.*

7. *By 1980, as much as 80-90 per cent of dental services could be covered by third parties either in the private or public sector.*
8. *The expected growth in dental insurance plans will significantly increase the effective demand for dental services.*
9. *The expected growth in dental insurance plans may have a profound influence on the ability of a dental school to attract patients.*
10. *A broadening spectrum of duties will be delegated to allied dental health personnel.*
11. *There is no identifiable governmental intention as to where and under what auspices the greatly increased numbers of allied personnel will be trained.*
12. *It is clear from the evidence that in the foreseeable future the dental graduate must have the necessary knowledge and skills to render, competently and efficiently, and to evaluate a reasonably comprehensive body of services normally considered indigenous to the general practice of dentistry.*
13. *While there may, in the future, be independent practitioners in Ontario performing some services now residing within the exclusive jurisdiction of dentists, we do not see this possible development as having a significant influence on the dental curriculum.*
14. *While formal public health activities and preventive programs conducted by dentists in their offices are of utmost importance and should be encouraged and strengthened, it is totally unrealistic to expect the total prevention of dental caries, periodontal disease, and acquired malocclusion. A need, therefore, will continue to exist for practitioners with the knowledge and skills to treat the consequences of these diseases and conditions.*

Part I of the report dealt with the present position of the Faculty, influences on future practice patterns, and areas of the curriculum inadequately covered. In respect of the latter, three, in particular, were identified and it was the belief of the sub-committee that inadequate attention is being given to Preventive Dentistry, Geriatric Dentistry, and Dental Auxiliary Utilization and Management. Accordingly, the following recommendations were made and were, in turn, approved by the Committee on Undergraduate

## Dental Curriculum and the Faculty Council:

1. That such recommendations put forth by the Co-ordinator of Preventive Dentistry as approved by the Committee on Clinical Policy and as ratified by Council be implemented at the earliest possible date. (See Section "Co-ordinator of Preventive Dentistry").
2. That four, three-hour interdisciplinary teaching sessions be devoted to the subject of geriatric dentistry and that these be held in the fourth quarter of third year.
3. That the Department of Social Dentistry develop and administer a clinical Dental Auxiliary Utilization Program.
4. That the Department of Paediatric Dentistry be the academic department directly involved, at present, with the clinical aspects of the Dental Auxiliary Utilization Program.
5. (a) That the organizational proposal, as advanced by the Committee on the Utilization of Auxiliary Personnel be approved, and  
(b) That the Department of Social Dentistry be requested to proceed in its planning in conjunction with the Department of Paediatric Dentistry, and  
(c) That the Committee on the Utilization of Auxiliary Personnel be dissolved.
6. (a) That the Department of Social Dentistry be requested to develop the educational objectives of the DAU program, and  
(b) That the Department identify for the Committee on Undergraduate Dental Curriculum, the time required and hour-deployment for the program.
7. (a) That the physical location for the operation of the DAU program be recommended by the Department of Social Dentistry to the Clinical Departments' Space Utilization Committee, and  
(b) That the space for the program be committed for the future.

CO-ORDINATOR OF PREVENTIVE DENTISTRY

An important appointment was made when Dr. David W. Banting, Associate Professor in the Department of Social Dentistry, became Co-ordinator of Preventive Dentistry within the Faculty. Through the Committee on Clinical Policy the Co-ordinator made several recommendations which were approved by Council during its meeting of 25 March 1974.

1. *That an advisory group comprising 1 representative from each basic science and clinical science department teaching subjects related to preventive dentistry be established to assist the Co-ordinator of Preventive Dentistry to:*
  - (a) *co-ordinate the teaching of topics related to preventive dentistry;*
  - (b) *co-ordinate the utilization of audio-visual and other teaching aids in preventive dentistry;*
  - (c) *design and implement clinical and laboratory applications of basic preventive principles;*
  - (d) *undertake periodic curriculum reviews in preventive dentistry; and*
  - (e) *recommend clinical policy respecting preventive dentistry.*
2. *That a preventive assessment for each patient be made.*
3. *That the following topics be included in the third year I.D.T. course and organized by the Co-ordinator of Preventive Dentistry:*
  - (a) *utilization of auxiliary personnel in preventive dentistry;*
  - (b) *office programs of preventive dentistry.*
4. *That the Departments of Oral Medicine, Restorative Dentistry and Paediatric Dentistry establish criteria, recall systems, guidelines and objective tests for the preventive management of patients.*
5. *That an area be allocated and equipped for the express purpose of providing preventive dental services and that the use of this area be open during all clinic sessions for use by the students.*

6. *That the annual budget of \$1,000.00 be set aside, or sought elsewhere, for preventive equipment, materials and supplies to be administered by the Co-ordinator of Preventive Dentistry.*

#### INTERDISCIPLINARY TEACHING

The Faculty has long believed that its Interdisciplinary Teaching (IDT) Program has been a useful curriculum innovation. The administration of the program, however, has not been without its difficulties. During the year, the Committee on Undergraduate Dental Curriculum (CUDC) established an ad hoc committee, consisting of two students and two faculty members, to review and recommend on any or all aspects of the IDT program.

During the 25 March 1974 meeting of Council, relatively extensive amendments to the program were approved. Council first agreed to retain the interdisciplinary and extended teaching sessions in third and fourth years and to have these take place as three-hour time periods on Fridays in the first, second, third and fourth quarters of third year and in the first, second, and third quarters of fourth year.

It was further agreed that the time allotted as interdisciplinary teaching be reorganized to accommodate the following types of sessions:

- (a) interdisciplinary teaching sessions to be held in the first, second, third and fourth quarters of III Year;
- (b) several extended teaching sessions to be held in the fourth quarter of III year which would be given to a department upon request;
- (c) ward rounds in medicine to be held in the second quarter of III year which would be co-ordinated by the Department of Oral Medicine;
- (d) interdisciplinary teaching sessions to be held in the first quarter of IV Year;
- (e) extended teaching sessions to be held in the second quarter of IV year;
- (f) current interest sessions to be held in second and third quarters of IV year;
- (g) 8 sessions in the fourth quarter of IV year to remain unscheduled as free time;
- (h) 8 unscheduled sessions in the first quarter of III year to be dispersed throughout the III and IV year and be available for special lectures, etc.

It was further agreed that the students not be examined on the interdisciplinary teaching sessions themselves but a department, at its own discretion, could examine students on subject matter presented by that department during extended teaching sessions. The Council, at the same meeting, following a recommendation from CUDC, approved the appointment of a Co-ordinator of Interdisciplinary Teaching who would have the responsibility of organizing, co-ordinating, and evaluating the interdisciplinary teaching sessions in third and fourth years. It was agreed, as well, that the Co-ordinator would be responsible to CUDC and would have an informal advisory body, consisting of one full-time member from each department and one representative from each of the third and fourth undergraduate years, to assist him. At its meeting of 4 June 1974, Council learned from the Chairman of CUDC that significant problems had been encountered when attempting to find a member of faculty willing to accept the appointment of Co-ordinator of the IDT Program. A suitable alternative, therefore, had to be developed. Council gave approval to the following motion:

- "(a) That for the academic year 1974-75 the time heretofore allotted to IDT be retained;*
- (b) That the CUDC assign the hours, on some equitable basis, to each clinical department and the Division of Oral Pathology requesting the departments and the division to utilize the time as they deem appropriate hopefully consistent with the spirit of the IDT Program;*
- (c) That the clinical departments and the Division of Oral Pathology, to the extent possible, involve other departments, both basic science and clinical, in the course offerings; and*
- (d) That the IDT be deleted as an examinable subject but that the material provided under the aegis of a particular organizing department be included, when appropriate, as examinable material within the said department."*

Without prejudice to future years it was agreed that for the 1974-1975 academic year a course in Therapeutics would be mounted as part of the IDT Program. This course would be reportable by both the Departments of Oral Medicine and Oral Surgery with input from the Department of Pharmacology and the Department of Bacteriology and Immunology.

The Committee on Undergraduate Dental Curriculum will continue to keep this program under close observation during the 1974-1975 academic year.



## ADMISSION REQUIREMENTS

Admission requirements for the Faculty of Dentistry, originally formulated by the Committee on Admissions and then approved by the Executive Committee of Council at its meeting of 23 April 1973, received, with modest amendments, the approbation of Senate at its meeting on 13 September 1973.

*"Admission requirements for the First Year of the Four Year Program in the Faculty of Dentistry be amended and revised as follows:*

*Successful completion of not less than two full years of study in an undergraduate program at an Ontario University, or an equivalent undergraduate program at another University, provided the program has included:*

- (a) a minimum of four honors courses, or equivalent, within the first ten courses completed;*
- (b) one full laboratory course in each of Biology, Chemistry and Physics.*

*OR*

*Successful completion of a graduate program at an Ontario University, or an equivalent graduate program at another University. (Applicants are advised that it is to their advantage to have completed one full laboratory course in each of Biology, Chemistry and Physics).*

*AND*

*Demonstration of competence in Organic Chemistry to the level of the first full course in Organic Chemistry offered at this University.*

### *CAVEATS:*

*All applicants are reminded that a careful assessment of their cumulative academic records will be made in granting admission.*

*Admission priority will be given, all other things being equal, as follows:*

- 1) to Canadian citizens resident in Ontario,*
- 2) to Canadian citizens and Landed Immigrants irrespective of Province of residence;*
- 3) to all others.*

*(One position may be available for applicants supported by the Canadian International Development Agency or similar agency)."*

## EVALUATION OF STUDENTS

A great deal of time and much effort were expended in reconsidering all the aspects of the evaluation of student performance within the Faculty. A Position Paper was prepared and was presented to the Executive. No consensus was reached. The Position Paper then moved on to Council where, again, the Faculty generally found itself divided, there being both a liberal and conservative point of view being espoused. Council, in turn, redirected its Executive to appoint a balanced committee to review the Position Paper and to present its own report for consideration. On 25 March, at a regular meeting of Council, the report was received and was, with a strong majority, adopted. As the recommendations constituted a substantive change in existing policy, Council action was then conveyed to Senate. On 25 April 1974 Senate ratified the Faculty's proposal.

*"The following Requirements for Progression and Eligibility for Further Registration in the Faculty of Dentistry be approved, effective September 1974:*

### Requirements for Good Standing and Progression

1. To complete a year's work and be permitted to register in the succeeding year of the dental program, a student must:
  - a) satisfactorily complete the prescribed assignments;
  - b) obtain at least a Pass level of performance in each subject.

Note: In each subject, the ratio of term grades to final examination grades is determined by the teaching staff of the Department concerned.
2. A student who obtains an average at the Honors level in a year's work is considered to have passed that year with honors.

### Conditional Progression

3. A student may be given permission by the Council of the Faculty of Dentistry to progress in the dental program with conditions as noted below:
  - a) if a student fails to complete satisfactorily the laboratory, clinical or other assignments prescribed in a clinical subject, that subject shall be recorded as "Incomplete" and the student shall be required to return to the Faculty for a specified period during the summer in order to satisfactorily complete his assignments;

- b) a student may be given permission to write not more than two supplemental examinations provided that
- i) his general average is at or above the Pass level, and
  - ii) his grades are below the Pass level in not more than two subjects.

#### Unsatisfactory Standing

4. A student shall be considered to have failed a complete year's work and shall be required to withdraw from the dental program if:
- a) he obtains a general average (in all subjects of that year) below the Pass level, or
  - b) he obtains less than the Pass level in more than two subjects, or
  - c) he obtains less than the Pass level in a supplemental examination granted under paragraph 3(b) above.

#### Readmission

5. Readmission to the dental program following withdrawal for unsatisfactory standing is subject to the following conditions:
- a) A student who fails to complete a year may be permitted by the Council of the Faculty of Dentistry to repeat that year. Permission to repeat First Year is seldom given and then only under extenuating circumstances. Permission to repeat one of the subsequent years is normally given but is subject to a vacancy being available in the year to be repeated.
  - b) When a student is allowed to repeat a year, the total work of the year must be repeated unless, by action of Council, the student is granted credit for any course(s) completed in the failed year at a level of competence such that, in the judgment of Council, the repetition of such course(s) is not required.

#### Reports

6. At the end of each academic year, a report will be mailed by the Office of the Registrar to each student showing his grade in each subject. The key to grades is:

<u>Grade</u>	<u>Performance</u>	<u>Range of Marks</u>
H	Honors	80 - 100%
P	Pass	60 - 79%
F	Fail	Less than 60%

Graduation Requirements

7. a) A student who successfully completed the work of the Fourth Year of the Dental Program shall be recommended for graduation.
- b) A student who passes each year of the Dental Program with honors shall be graduated with distinction.

EXEMPTION OF DENTAL STUDENTS FROM COURSES

The Committee on Undergraduate Dental Curriculum (CUDC) was asked to consider the matter of policy in respect of the exemption of dental students from certain basic science courses. In respect of some courses, such as Biochemistry and Physiology, a few dental students have, within their pre-professional programs, covered such courses in rather considerable depth.

The following policy was approved by the Executive in January 1974 and was ratified by Council during its meeting of the following March:

*"That a student who, by reason of previous academic training and experience, considers himself to possess the level of knowledge sufficient to meet all requirements of a significant component of a course, may request exemption and if the department responsible for the course, after appropriate investigation, agrees that the student's qualifications in the subject are adequate, the Chairman of the Department or his designate will, on behalf of the Department, send a written recommendation to the Dean who will ensure that such recommendation is forwarded for ratification by either the Council or the Executive Committee of Council, and*

*That should a student receive an exemption from any or all of the examinations applicable to the course he is then ineligible to be considered for any academic award applicable to the year in which he is enrolled and in addition, he is ineligible for "honors" standing in that year precluding graduation "With Distinction," and further*

*That a student may be given permission by the Department to absent himself from lectures and/or laboratory sessions but provided the student takes such examinations as shall be determined by the department applicable to the course he will have been considered as not having received an exemption thus being eligible for any awards or honors standing should such be earned."*

GRADUATE PROGRAM IN ORAL PATHOLOGY -- ACCREDITATION ELIGIBLE

It is a pleasure to report that, following application, Western's graduate program in Oral Pathology has been granted, by the Council on Education of The Canadian Dental Association, "Accreditation Eligible" status for a two-year period. It is hoped by the Division of Oral Pathology of the Department of Pathology that a graduate student will be enrolled prior to the expiration of that term in order that the program may request the status of full approval.

CONTINUING EDUCATION

During the 1973-1974 academic year the Committee on Continuing Education, in co-operation with the departments concerned, planned some 17 courses. Unfortunately, only 11 of them could be presented. Projected attendance in respect of the 6 cancelled courses was such that it would have been impossible for the Faculty to mount viable programs.

The following are the courses presented, the enrolment limit, and the number enrolled. Of interest is the fact that only three of the courses reached their enrolment limit. Eight of them could have accommodated more participants.

<u>Course</u>	<u>Enrolment Limit</u>	<u>No. Enrolled</u>
Myths and Misses in Oral Diagnosis	50	18
Symposium: Acupuncture Analgesia and Its Application to Dentistry	50	42
Essentials of Periodontal Therapy	Unlimited	13
Radiography for Dental Assistants (Parlleling Technique)	12	12
The Role of the Activator in the Mixed Dentition	40	23
Radiography for Dental Assistants (Bisecting Angle Technique)	12	12
Design and Utilization of Removable Orthodontic Appliances in General Practice	25	15
Recent Advances in Operative Dentistry and Endodontics	40	20
Crown & Bridge for the General Practitioner	40	28
Diagnosis and Treatment of Endodontic Problems	40	17

<u>Course</u>	<u>Enrolment Limit</u>	<u>No. Enrolled</u>
Clinical Preventive Procedures for the Dental Office	11	11

The Faculty would be less than candid were it not to express some concern in respect of the profession's participation. Particularly, in an era when participating in continuing education is mooted to be a requirement for on-going licensure, is the Faculty concerned about the apparent general disinterest in continuing education programs. There are, of course, some duplications in the total number enrolled and there are a few, as well, from out of province. But even if we were to assume no duplications and that all participants came from Ontario only 211 dentists enrolled. This is about six per cent of the Ontario profession. While it is true, of course, that dentists attend courses in other institutions it is unlikely that in any one year more than fifteen per cent of the profession enroll in formal continuing education programs.

Twelve extramural lectures were presented by members of the faculty to dental societies throughout the province.

#### RESEARCH GRANTS AWARDED FACULTY MEMBERS

The following research grants applied within the Faculty during 1973-1974:

##### Department of Paediatric Dentistry

Wright, G.Z.: (Co-investigators: Feasby, W. H., Banting, D.W., Associate Professor of Social Dentistry)  
 Department of National Health and Welfare Grant -  
 "An Investigation of Dental Flossing as a Caries Control Procedure" - July 1973 - March 1974 - \$7,221.00  
 - April 1974 - March 1975 - \$5,991.75

##### Department of Restorative Dentistry

Johnson, L.N.: Ontario Ministry of Health Grant - "Rheological Studies of Pre-Set Dental Restoratives" - April 1974 - March 1975 - \$19,030.00

Johnson, L.N.: Ontario Department of Health Grant - "Dental Silver Amalgam" - April 1973 to March 1974 - \$10,510.00

Jordan, R.E.: (Co-investigator: Suzuki, M.) - Ontario Ministry of Health Grant - "Silver Amalgam Restorations" - April 1974 - March 1975 - \$9,700.00

Suzuki, M.: (Co-investigator: Jordan, R.E.) - Ontario Ministry of Health Grant - "Acid Etch Resin Restorations"  
 - April 1973 - March 1974 - \$18,900.00  
 - April 1974 - March 1975 - \$20,000.00

Department of Social Dentistry:

Leake, J.L. (Co-investigator: Martinello, B.P.) Ontario Health Resources Development Plan Demonstration Model Grant - "Field Study to Assess the Feasibility of Using a Dental Adhesive Sealant (Nuva Seal) in the Public Health Environment"

IN-SERVICE TRAINING SESSIONS

During the academic year, two highly successful In-Service Training Sessions were held for members of the full-time and part-time academic staff. On 30 March 1974, under the aegis of Dr. R. E. Jordan and his colleagues of the Department of Restorative Dentistry, a most helpful day was experienced with attention being directed to Operative Dentistry, Fixed Prosthodontics, Removable Prosthodontics, and Endodontics. On 27 April following, Dr. W.H. Feasby and his colleagues of the Department of Paediatric Dentistry, mounted another successful one day course covering the disciplines of Paedodontics and Orthodontics.

These events were so successful and so enthusiastically received by members of faculty that it is the intention to hold at least two such sessions in each academic year.

ADVISORY COMMITTEE TO THE FACULTY OF DENTISTRY

The Advisory Committee to the Faculty of Dentistry met for the sixth time on 24 October 1973. Seventeen members were present. It was a pleasure to welcome, for the first time, a representative of the UWO Alumni Association in the person of Dr. Aaron J. Goldfarb, a graduate of the pilot class of this Faculty.

Dr. Harvey W. Reid was again elected chairman of the meeting and he conducted it in his usual gracious and efficient manner.

The 1972-1973 Annual Report was again employed as the basic resource document for the meeting.

Although no specific recommendations accrued therefrom, the Advisory Committee carefully reviewed the Annual Report and offered appropriate observations and comments in respect of it.

The Faculty is most grateful to all members of the Advisory Committee for their selfless interest in the programs, policies, and activities of this Faculty.

ADMISSIONS 1973

The following is the profile of the Class of 1977:

1. Number of applications - 609
2. Number admitted - 57 (1 woman, 56 men)
3. Qualifications of admitted applicants:
  - (a) At least 2 years of "B" average in pre-dental university training - 56
  - (b) Average for year preceding admission:
    - (i) Mean - 77.57%
    - (ii) Range - 72 - 92.4%
4. Manual Dexterity (Dental Aptitude Test)
  - (a) Mean - 5.6
  - (b) Range - 4 - 9
5. Number with degrees: - 35
 

B.A.	6
B.Sc.	29 (3 of these hold M.Sc. degree)
M.Sc.	3
6. Marital Status - 8
7. Age:
  - (a) Mean - 22.5
  - (b) Range - 20 - 37
8. Home Towns Represented - 32 (all in Ontario)  
This incorporates 20 Ontario counties/districts.
9. Universities Previously Attended - 12 (11 in Ontario  
1 outside)
10. Citizenship
 

Canadian	56
Landed Immigrant	1

  
 Birthplace
 

Canada	51
Outside	6

CANADIAN ACADEMY OF PERIODONTOLOGY AWARD

Because the Faculty has received awards for recognition of competence in Periodontics in fourth year, from both the Canadian and American Academies of Periodontology, it was found necessary to clarify the terms of these awards.



Accordingly, it was agreed that the Canadian Academy of Periodontology Award will be recognized as the senior award in Periodontology and will be presented annually on the recommendation of the Division of Periodontics to the fourth year student who has attained the highest proficiency in Periodontics. This award is not tenable with any other award in Periodontics.

#### HAMILTON ACADEMY OF DENTISTRY AWARD

Because of recent curricular changes, the students of the third year now receive much more substantial teaching in Oral Medicine than do students of the second year. Accordingly, it was recommended by the Committee on Scholarships and Awards and approved by the Hamilton Academy of Dentistry that the Hamilton Academy of Dentistry Award in Oral Medicine be awarded to a third year student rather than a second year student as heretofore. The student receiving the award will have been judged to be the one who displays the highest degree of academic excellence in Oral Medicine.

#### SENIOR AWARD IN ORAL BIOLOGY

Because some difficulty had been encountered in selecting a winner of the Senior Award in Oral Biology, Council gave approval to an amendment to the terms of this award. Effective in respect of the academic year 1973-1974 the Senior Award in Oral Biology will be awarded annually on the recommendation of the Examinations Committee to a fourth year student who achieves a high degree of excellence during his clinical years and who has shown great proficiency in the Basic Science courses during the pre-clinical years.

#### CSDC AWARD TO BE DISCONTINUED

It was with regret that the Faculty learned that the Canadian Society of Dentistry for Children would be terminating its award following the 1973-1974 academic year. The CSDC Award has been tenable in the fourth year for the student who, on the recommendation of the Department of Paediatric Dentistry, is proficient in subjects relating to dentistry for children. The award has consisted of a textbook with application to dentistry for children and a one year subscription to the *Journal of Dentistry for Children*.

#### PROFESSIONAL CONDUCT

In the report for 1972-1973 it was reported that an ad hoc committee had been established, consisting of two full-time members of faculty and a senior student, to attempt to define and codify professional conduct. The exercise has not been an easy one in which to engage. The committee has not, as yet,

produced its final report. It did, however, present one interim report in respect of which the Council of the Faculty gave approval to a recommendation contained therein. Because the Executive Committee of Council is capable of acting expeditiously in respect of disciplinary matters, and in view of the fact that some disciplinary sanctions are not reversible it was agreed that the power to determine disciplinary sanctions be delegated by the Council to its Executive Committee.

The ad hoc committee hopes to present its final report in the 1974-1975 academic year.

#### MAXILLO-FACIAL PROSTHETIC CLINIC

A further generous grant from the Richard and Jean Ivey Fund has permitted an expansion in the operation of the Maxillo-Facial Prosthetic Clinic. The Fund has graciously provided a sum of \$24,000, extended over a three-year period, for the partial support of a new full-time member of faculty who will spend approximately half his time within the Clinic. Dr. Richard G. Stapleford was, on 1 June 1974, appointed Assistant Professor in the Department of Restorative Dentistry, the first graduate of this Faculty to be appointed to a full-time teaching post within the institution.

Again, the Faculty expresses its deep and sincere appreciation to the Directors of the Richard and Jean Ivey Fund for their generous support of this important project.

#### DIVISION OF ORAL MEDICINE CREATED

Since the Faculty was organized there has been a Department of Oral Medicine consisting of three Divisions--Division of Periodontics, Division of Radiology, and the Division of Oral Diagnosis. Because, in the view of the department, the designation for the latter division appeared to connote a spectrum of interest narrower than that actually existing, it was recommended by the department and unanimously agreed to by Council that there be a Division of Oral Medicine within the Department of Oral Medicine. While it is acknowledged that there may be some confusion, it is suggested that it should be no greater than that experienced by our sister profession for many years in that, invariably, there is a Department of Medicine within the structure of a Faculty of Medicine.

#### RADIATION HEALTH OFFICER APPOINTED

Acting on a recommendation from the Committee on Clinical Policy, Council approved the appointment of a Radiation Health Officer for the Faculty of Dentistry and confirmed Dr. Axel Ruprecht, Assistant Professor of Oral Radiology, in that position.

The duties and responsibilities of the Radiation Health Officer are as follows:

1. *The Radiation Health Officer shall be appointed by, and shall be directly responsible to, the Committee on Clinical Policy through which body he will report at least annually to Faculty Council or its Executive.*
2. *The duties and responsibilities of the Radiation Health Officer will be:*
  - (a) *To recommend to the Committee on Clinical Policy to ensure that all sources of radiation have the proper safeguards as outlined by law and dictates of radiobiology.*
  - (b) *To inspect all new installations or changes to old ones and make appropriate recommendations to the committee on Clinical Policy.*
  - (c) *To periodically check all radiation procedures within the Faculty and make recommendations regarding any necessary changes.*
  - (d) *To provide a liaison between the Faculty and the University Radiation Health Officer (if such exists).*
  - (e) *To provide liaison between the Faculty and the Provincial and Federal Governmental authorities responsible for this area.*
  - (f) *To be responsible for researching or aiding in researching any problems or questions that may arise in the area of radiation and radiation hygiene.*
  - (g) *In consultation with the Director of Clinics to provide guidelines to the students through the Clinic Manual.*
  - (h) *To maintain a list of all radiation sources within the Faculty, their location and use and the person directly in charge of them.*

Because of the affinity of the responsibilities, Dr. Ruprecht accepted appointment to the Health Sciences Safety Committee, as well.

#### VISITING MRC PROFESSOR

The Faculty was privileged to have as its 1973-1974 MRC Visiting Professor, Dr. John D. Spouge, Professor and Acting Head, Department of Oral Medicine of the Faculty of Dentistry of the University of British Columbia. Dr. Spouge was present

in the Faculty during the week of 13 March 1974 and delivered the Annual Public Lecture on 14 March. The Faculty expresses sincere appreciation to Dr. Spouge for his highly significant contributions and to the Medical Research Council for making his visit possible.

#### 1974 SUMMER UNDERGRADUATE RESEARCH SCHOLARSHIPS

Unfortunately, financial constraints being experienced by the Medical Research Council of Canada caused a reduction from seven to five in the number of MRC Summer Undergraduate Research Scholarships to be awarded in the Faculty. From first year, Mr. T. W. Mara will work in the Department of Restorative Dentistry within the Division of Dental Materials Science. From second year, the following students earned awards: Mrs. C. J. Armstrong, Department of Pharmacology; Mr. C. L. Consky, Department of Oral Medicine; Mr. F. R. Lovell, Department of Bacteriology and Immunology; and Mr. G. K. Markaria, Department of Physical Medicine and Rehabilitation.

#### DENTAL STUDENTS' CONFERENCE ON RESEARCH

Mr. G. K. Markarian, of the Second Year, represented the Faculty at the Tenth Annual Dental Students' Conference on Research held in Birmingham, Alabama, under the aegis of the American Dental Association, in April 1974. Mr. Markarian is an outstanding student, the winner, this year, of the RCDS Scholarship.

#### ASSOCIATION OF CANADIAN FACULTIES OF DENTISTRY INVITED TO WESTERN

Having regard for the Centenary of The University of Western Ontario being celebrated in 1978, an invitation was extended to the Association of Canadian Faculties of Dentistry to hold its Tenth Biennial Conference on Dental Education and Research and the Annual Meeting of its House of Delegates on the campus of The University of Western Ontario in 1978. The Faculty was pleased to learn, following the annual ACFD meeting in June 1974, that this invitation had been accepted.

#### EXCHANGE VISIT -- TORONTO AND WESTERN STUDENTS

On 26 March 1974, the Faculty enjoyed a visit of some forty students of the Faculty of Dentistry of the University of Toronto. The Toronto students visited the school on the invitation of Western's students.

At the April 1974 meeting of the Executive Committee, Mr. John H. Pate of the Dental Students' Society requested that provision be made to permit, in November of 1974 and 1975, a

one-day visit of Western students to the Faculty of Dentistry of the University of Toronto for the purpose of exchanging ideas, comparing the respective curricula, and fostering new acquaintanceships. The Executive gave approval to the project and intends, at the end of the two year period, to assess the visits in respect of the value obtained and the possibility of continuing them in subsequent years.

#### MISS PATRICIA COURTRIGHT

Miss Patricia Courtright, of the Class of 1975, was elected as the first woman Chairman of a Canadian Dental Students' Conference. She presided, with great distinction, during the Conference held in late 1973 in Montreal.

Just prior to the termination of the 1973-1974 academic year, Miss Courtright was elected as incoming President of The University of Western Ontario Dental Students' Society for the 1974-1975 academic year. While it may be difficult to prove the point, this Faculty believes that Miss Courtright is the first Canadian dental student of her sex who has been elected by her colleagues to the Presidency of a Dental Students' Society. Sincerest congratulations are conveyed to Miss Courtright for the obvious regard in which she is held by her fellow students.

## FACULTY OF EDUCATION

Report of the Dean

PROFESSOR ERNEST STABLER

THE PROCESS OF INTEGRATION

It was a year which deserves to be chronicled. In August the Minister of Education and the Chairman of the Board of Governors signed an Agreement under which London Teachers' College became a part of the University, its faculty and staff were assured of a four-year period of employment, the building and equipment were transferred to the University, and the University undertook to establish a Faculty of Education. A companion Agreement with the Ministry of Colleges and Universities provided assurances of adequate funding for at least the early years of the new Faculty.

In September a joint Faculty Council decided to further the spirit of integration by electing faculty of the former Teachers' College to Council committees, and in mid-October the entire Faculty met for a two-day, off-campus conference to consider the interim report of the Integration Committee. By December the Integration Committee had submitted its final Report under the title A Proposal for A Faculty of Education. This report was debated at two lengthy meetings in early January, and adopted by a slim margin [53-41]. In its essence the Report recommended the creation of four program divisions in the Dip. Ed. course, each with a complement of faculty and an enrolment of students whose training would prepare them for teaching at particular grade levels of the school system. Students in Program Division 1, for example, would concentrate on teaching in Kindergarten to grade six.

Those who opposed this major re-structuring of the Diploma program, whether because of a disagreement with the principles underlying the Report or through a belief that it could not effectively be implemented by September, 1974, expressed their concern by signing a Minority Report. Both reports found their way to the appropriate committees of Senate, but before those bodies took any action the Faculty Council in February adopted a resolution to develop Divisions and Departments in line with the recommendations of the Report, on the understanding that implementation would be delayed until September, 1975. In the meantime, planning would go forward with a view to submitting to Senate a comprehensive program proposal in the fall of 1974.

In mid-April the Faculty Council met with the Chairman of the Senate Committee on Admissions and Academic Programs Policy to discuss a modified and shortened version of the Report which was under preparation for submission to Senate. In addition to recommending the establishment of a Faculty of Education and delineating the composition and rules of procedure of the Faculty Council, this document set forth the appointment and terms of reference of the several administrative officers and, in so doing, established a structural framework of the new Faculty. Senate approved the SCAAPP Report and on May 1, after years of gestation, a Faculty of Education was born. On the recommendation of ad hoc appointment committees, the following administrative appointments were made:

Associate Dean, Administration

Prof. T. J. Casaubon

Associate Dean, Academic

Prof. K. W. Kenney

Program Division Coordinators:

Division I (Primary-Junior)	Prof. J. G. Elford
Division II (Junior-Intermediate)	Prof. P. B. Park
Division III (Intermediate-Junior)	Prof. H. A. Stevenson
Division IV (Senior-Intermediate)	Prof. F. B. W. Harper

Program Coordinators:

Continuing Education	Prof. G. R. Lambert
Graduate Studies	Prof. N. L. Nicholson
Diploma in Education (Development Studies)	Prof. D. J. Radcliffe

Meanwhile, another significant aspect of integration was achieved:

on the recommendation of the Standing Committee on Appointments all members of the former Teachers' College were appointed to probationary Assistant Professorships.

The creation of a Faculty and the approval of its structure is, of course, only the beginning; the design of programs of several kinds within that structure constitute the task that lies ahead.

### THE DIPLOMA PROGRAM

During the year under review both Althouse and London Teachers' College programs continued to be offered without major changes. Some 215 students enrolled at the former London Teachers' College in the Elementary Program which offered a wide range of course options. For purposes of administration the L.T.C. faculty became a department under the chairmanship of Professor D. F. Harris. Special courses were offered in music, oral French, and special education; and both students and faculty were involved in a broad network of professional and community relationships.



A significant characteristic of the L.T.C. tradition was continued: each member of Faculty served as a Counsellor for a panel of students and accepted responsibility for liaison with Associate Teachers in a group of schools through which the panel rotated for practice teaching.

Within Althouse a new program known as AITEP emerged after a year of planning. The architects of this program were a group of faculty who wished to explore new ground: the extent to which "methodology" and "foundations" could be integrated, whether new patterns of teaching practice and field experience could be devised, and possible ways in which modules and components of instruction could replace traditional courses. Experience with AITEP provided a remarkably valuable trial run for developing Program Divisions in the future.

The Coordinator of the Mathematics and Science Teacher Education Program (MSTEP) reported a satisfactory year in which "a great deal of unstructured interdisciplinary cooperation has occurred, and all participating instructors have worked as a team." During the year Faculty Council approved the addition of students in the Physical Education and General Science options to the MSTEP program.

A growing number of departments in cooperation with the Practice Teaching Office arranged conferences with Associate Teachers. In some cases these were scheduled on a regional basis, while other departments arranged well-structured Saturday conferences at the university. The History Department continued to communicate with its Associate Teachers

through Interact, a Newsletter published by members of the department. Teachers in the elementary schools were also deeply and effectively involved in the Teacher Assistant program under which students in the Elementary Programs developed a continuing relationship with the children of a particular class. And under the initiative of Professor T. J. Casaubon ten students from the Moderns Department spent two of their nine weeks of practice teaching in schools of Trois Pistoles.

Throughout the year an astonishing number of children, teachers, principals, consultants, librarians, school superintendents and others in the field of education visited the Faculty. Some 1500 high school students came to the Computer Services Centre alone, and 175 other visitors were invited by members of Faculty to meet with their students. The participation of these educators in the Dip. Ed. Program and the reciprocal visits of the Faculty demonstrate our determination to keep a close and healthy relationship with the schools.

As this is written (July, 1974) the employment picture for our graduates is markedly better than at the same time a year ago. Practically all of those who completed the Elementary Program appear to be employed, and over 80 per cent of Althouse students have secured positions. At the same time a year ago fewer than 65 per cent were employed.

## GRADUATE PROGRAMS AND CONTINUING EDUCATION

The M.Ed. (Guidance and Counselling) program was approved by the Ontario Council of Graduate Studies and by Senate. The action of the Minister of Colleges and Universities in lifting the embargo on new graduate programs will allow both the M.Ed.(Guidance) and the M.A.T. programs to be offered in September, 1974. The M.Ed.(Educational Studies) proposal was approved by the Graduate Faculty and forwarded for appraisal to O.C.G.S.

During the year the Council of Ontario Universities adopted the ACAP Report on Graduate Studies in Education, a document which approved the plans submitted by this university subject to these provisos:

- a continued strengthening of the academic qualifications and experience of College of Education staff
- the availability of well-qualified staff from other departments
- the provision of additional space.

New approaches to the continuing education of teachers were explored not only within the Faculty but also by the provincial Teacher Education Liaison Committee, a body composed of Ministry representatives, Principals of Teachers' Colleges, and Deans of the several Faculties of Education. A promising new departure, the Regional Professional Development Plan, was announced by the Ministry of Education in May. Under this plan Professional Development Committees will be set up in each of the ten regions with representation from the Ministry's regional offices, OISE Centres, Faculties of Education, and the Ontario Teachers' Federation.

Under a Ministry grant of \$200,000 these Committees will assist teachers and school administrators in their professional development.

### SPECIAL PROJECTS

The University of Waterloo-U.W.O. joint program for training mathematics teachers was favorably evaluated by the Ministry of Education. The program will continue, possibly with an enrolment approaching 40 students.

Ten principals from the Eastern Caribbean spent six months in the Faculty and local schools under a CIDA grant, and students from Jamaica, Kenya and Zambia enrolled, also with CIDA support, in the Technical and Business and Commerce Departments.

The Indian Social Counsellor Program continued under the auspices of the Guidance Department.

An exchange of students between Maria Assumpta College in the "other" London and the Faculty of Education was again arranged with assistance from the Cultural Exchange Branch of the Ministry of Education.

All students and participants in these projects had individual interests and particular problems to which members of Faculty responded with humane and professional concern.

NOTES ON FACULTYSabbaticals, Exchanges, and Leaves of Absence

David R. Burke	University of New Mexico, Albuquerque, N.M. (sabbatical)
John Hall	C.I.D.A. appointment in Zambia, Central Africa (leave of absence)
Kenneth W. Kenney	Ontario Institute for Studies in Education (sabbatical)
H. Dene Webber	Department of Educational Studies, Oxford, England (sabbatical)

Completion of Ph.D.

Matthew Andresino	Department of Psychology
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Promotions

P. B. Park	Associate Professor
D. W. Ray	"
D. J. Radcliffe	"
H. A. Stevenson	"

Tenure Granted (effective July 1, 1974)

E. V. Crisp  
 D. N. Cunningham  
 G. C. Hay  
 D. A. Lawr  
 E. A. McLeish  
 J. F. Ogletree  
 D. J. Radcliffe  
 S. W. Sorrill  
 J. H. White

AppointmentsSessional Lecturers

M. A. Fairs  
 E. M. Fisher  
 P. H. Huston

Assistant Professors

M. J. Andresino  
 G. V. Atkinson  
 R. W. Bain  
 R. M. Bartlett  
 G. C. Bennett  
 B. C. Bergey  
 G. A. Boate  
 A. Brendon  
 J. A. Crawford  
 C. R. Dunn  
 J. A. Eaman  
 J. G. Elford  
 G. J. Emerson  
 M. E. Glover  
 D. F. Harris  
 G. G. Hulley  
 W. E. Laws  
 C. E. Leslie  
 H. S. Long  
 J. S. McColl  
 J. E. McPeck  
 J. C. O'Sullivan  
 H. A. Peacock  
 M. E. Porte  
 J. F. Savage  
 W. A. Scaldwell  
 R. S. Smith  
 J. N. Thomson  
 R. H. Topp

Resignations

R. H. Bailey  
 D. R. Burke  
 F. J. Clute  
 V. A. Howard

Honors and Awards

R. D. Gidney, The Cruickshank Medal for Excellence in Ontario History  
 R. D. Gidney, W. B. Hamilton, D. A. Lawr and N. L. Nicholson  
 received Canada Council Research Grants

WHITE COURSE ENROLLMENT 1974-75

Executive Memberships on Learned Society and Professional Bodies

- G. V. Atkinson, President, Ontario Teacher Education Association
- C. G. Porterfield, President, Home Economics Corporate Group of the Ontario Education Association
- E. Stabler, Chairman, Ontario Association of Deans of Education
- J. H. White, President, Ontario Music Educators Association

UNIVERSITY OF TORONTO

Faculty	Department	Enrollment
Faculty of Education	Elementary Education	120
	Secondary Education	150
	Special Education	80
	Teacher Education	100
	Education Studies	60
	Education Administration	40
	Education Research	30
	Education Policy	20
	Education History	10
	Education Philosophy	10
Faculty of Arts	Psychology	180
	Psychology (Honours)	120
	Psychology (M.A.)	60
	Psychology (Ph.D.)	30
	Psychology (B.A.)	100
	Psychology (B.Sc.)	80
	Psychology (B.Ed.)	40
	Psychology (B.Soc. Sci.)	20
	Psychology (B.Com.)	10
	Psychology (B.L.S.)	10
Faculty of Science	Physics	100
	Physics (Honours)	60
	Physics (M.Sc.)	30
	Physics (Ph.D.)	15
	Physics (B.Sc.)	85
	Physics (B.A.)	40
	Physics (B.Soc. Sci.)	20
	Physics (B.Com.)	10
	Physics (B.L.S.)	10
	Physics (B.Ed.)	10
Faculty of Business Administration	Business Administration	150
	Business Administration (Honours)	100
	Business Administration (M.B.A.)	50
	Business Administration (Ph.D.)	25
	Business Administration (B.A.)	75
	Business Administration (B.Sc.)	50
	Business Administration (B.Soc. Sci.)	25
	Business Administration (B.Com.)	15
	Business Administration (B.L.S.)	10
	Business Administration (B.Ed.)	10

WINTER COURSE ENROLMENT 1973-74Total Number of Students Enrolled as of October 15, 1973

Type A Female	145
Type A Male	165
Type B Female	172
Type B. Male	117
Occupational Female	1
Occupational Male	2
Vocational Female	3
Vocational Male	32
Elementary Program (former LTC)	<u>213</u>
Total	850

SUMMER SCHOOL ENROLMENT 1973Type A

Biology	12
Biology & Chemistry	1
Chemistry	17
Chemistry and Physics	1
English	41
English and History	4
French	21
French & English	2
Geography	28
Geography & Physical & Health Ed.	1
History	23
History & Geography	1
Mathematics	22
Mathematics & Physics	2
Mathematics & Computer Science	1
Physical & Health Ed. (Men)	9
Physical & Health Ed. (Women)	3
Physics	<u>8</u>
Total	197.....197

Regular Business and Commerce.....	127
Physical & Health Education, Intermediate Part II (Women only).....	13
Physical & Health Education (Men).....	8
Physical & Health Education Specialist (Women).....	23
School Librarianship Specialist.....	39
Vocational Type A (Initial) Program.....	60



## SUMMER SCHOOL ENROLMENT...continued

Elementary Physical & Health Education

Elementary, Type B	42
Intermediate, Type B, Part I	18
Intermediate, Type B, Part II	15
Supervisors	<u>27</u>
Total	102 ..... 102

Guidance

Part I Part I	37
Part II	52
Part III	38
Part III (Special Work-Study)	3
Part IV (Work-Study)	86
(Research)	2
(Course Work)	7
(Special Course Work)	<u>5</u>
Total	230.....230

Waterloo-Western Co-op Project..... 13

Total Summer School 812

OTHER COURSES

Short non-credit courses	158
Special Graduate Courses	83

FACULTY OF ENGINEERING SCIENCE

Report of the Dean

PROFESSOR A. I. JOHNSON

In this past year there have been several developments at both the undergraduate and graduate levels, and in the research activities, of the Faculty of Engineering Science that will likely have profound influences on the future of the Faculty.

ON THE UNDERGRADUATE SCENE

Senate approval, in December 1973, of a credit system of advancing in the undergraduate program has opened the way for more flexible course selections for students, and for improved monitoring of the performance of young men and women in the program. The new system will be initiated in the fall of 1974 and over the next four years will displace the current program. Under the credit system courses will be of one term duration, with evaluation of student performance on a cumulated basis, as well as a term basis; supplemental examinations will be phased out.

Facilitated by the change to the term and credit system, the Faculty is planning a part-time degree program in Sarnia, through the Department of Summer School and Extension and with the co-operation of Lambton College of Applied Arts and Technology. This program, designed for technology graduates, is to be initiated in the fall of 1974.

In the fall of 1973 we received official notification from the Canadian Accreditation Board of the Canadian Council of Professional Engineers that all of the undergraduate areas

of specialization had been accredited for the normal full five years. Western was one of the first of the Canadian engineering schools to be so accredited under the revised regulations.

The Faculty accommodated its large increase in first year enrolment (now the fourth largest in the Ontario engineering schools). A further increase in the number of entering students is anticipated for the fall of 1974. It is apparent that this fastest growing engineering school in Canada will require additional space in the Engineering and Mathematical Science Building, and also can justify additional faculty.

Along with larger enrolments, the percentage of the new students electing Western as a first choice has increased very appreciably. In addition to the improved University scholarship program, entrance scholarships made available through the Spencer endowment fund, and the generosity of Dr. James Vance have been responsible for attracting many highly qualified young men and women to our Faculty. The efforts of Professor Ian Duerden, our High School Liaison Officer, in managing the scholarship program and in improving our links with the secondary school community are appreciated by all.

In the undergraduate program there have been further efforts in developing personalized instruction techniques. Dean Johnson initiated a workshop on such techniques held at the University of Guelph in May 1974 and sponsored by Shell Canada Ltd, The Joint Committee on Instructional Development of the Committee on University Affairs and the Council of Ontario Universities and the Committee of Ontario Deans of Engineering.

Our graduating class of 1974 enjoyed excellent employment prospects, perhaps the best in several years, as Canada began to face new challenges in energy, transportation, petrochemical production, and development of its secondary industry.

### ON THE GRADUATE SCENE

Visits by consultants of the Advisory Committee on Academic Planning of the Council of Ontario Universities to the schools of engineering of the provincial universities were completed by the fall of 1973 and a report on their assessments was accepted by the Council in June 1974.

For Western this calls for an appraisal of its Ph.D. program in Engineering Science by the fall of 1976. While the new appraisal will tax again our faculty members' time, it is hoped that it will provide some opportunities for further streamlining of our research activities along the areas of strength which have been praised by the consultants.

An ACAP report dealing with Planning and Environmental Studies in Ontario has also acknowledged the well developed Environmental Engineering option in the Master of Engineering program of the Faculty of Engineering Science. The option in Municipal Engineering took in its first students in the fall of 1973 and a new option in Biomedical Engineering will begin in the fall of 1974, with an emphasis on the engineering problems of the hospital.

The Materials Science Group has been distinctly successful in initiating co-operative graduate programs with industry.

### THE FACULTY OF ENGINEERING SCIENCE ADVISORY COMMITTEE

The Advisory Committee, which is responsible to the Board of Governors, undertook new responsibilities with the formation of three working groups concerned with Budget and Finance, Publicity and Public Relations, and Program Planning. In addition to the regular fall meeting of the Committee, these working groups met separately during the month of March 1974.

A major joint project of the Advisory Committee and the Faculty has been the preparation of a statement of Objectives and Priorities for the Faculty, to be discussed at the 1974 fall meeting.

#### RESEARCH AND CONTRACT ACTIVITIES

There were continuing efforts in 1973-74 to develop links between the Faculty and industry and the government, and to obtain greater funding for the activities of faculty, staff and students.

The positions of research professorships at the full, associate and assistant level have been developed to provide greater recognition to staff who are primarily involved in contract studies.

The Systems Analysis, Control, and Design Activity, funded as a Centre for Advanced Technology by the Department of Industry, Trade and Commerce formally began its operation in October 1973.

Other special projects involving the groups and special areas will be included in the reports to follow.

#### PARTICULAR ACTIVITIES OF FACULTY

During 1973-74 Professor M.A. Bergougnou resigned as chairman of the Chemical and Biochemical Group, to be succeeded by Professor J.M. Beeckmans. Professor Bergougnou served this group well, during the rather difficult period of preparing for the ACAP assessment.

Professors K.Y. Lo and S.H. Abu-Sitta and Dean J.E. Zajic had sabbatical leaves during 1973-74 while Professor C.G.J. Baker was on leave as a senior Industrial Fellow, partially supported by the National Research Council, with the Polysar Corporation in Sarnia.

Dean A.I. Johnson lectured in Japan, Australia and India in the summer of 1973 and during the spring of 1974 was an exchange scientist under the auspices of the National Research Council in Europe.

#### COMMENTS FROM THE GROUPS

The above has presented the highlights of activities of the Faculty. More specific developments of the Groups and Laboratories of the Faculty are now outlined.

#### THE CHEMICAL AND BIOCHEMICAL ENGINEERING GROUP

At the undergraduate level the major change in the program involved the introduction of new courses in process chemistry to replace the organic and analytical chemistry previously taken by students in this option from the Faculty of Science. In the new courses organic chemistry and analytical chemistry will be presented with a strongly 'industrial' bias which, it is hoped, will stimulate the interest of the students and at the same time will introduce them to aspects of these subjects not normally covered in more conventional presentations of these subjects.

The Group has maintained and expanded its strong research activity in fluid-particle systems, in food and biochemical engineering, and in environmental engineering. Projects under way include studies on SO<sub>2</sub> oxidation kinetics in the atmosphere over Sudbury, the development of a 'biological furnace' to treat pulp and paper wastes, the development of new approaches in the treatment of stack gases, and several studies relating to fluidization.

#### CIVIL ENGINEERING

The Municipal Engineering option of the Master of

Engineering program was available for the first time in 1973-74.

The Boundary Layer Wind Tunnel had an extremely successful year. The first research professors of the Faculty were created in this laboratory. In an attempt to attract high quality graduate students and to provide them with a fruitful experience an Internship program was instituted. The Laboratory also acquired a part-time librarian and developed an information retrieval system for industrial and building aerodynamics and earthquake effects. The Laboratory sponsored two visiting professors, each for three month stays: Professor I.S. Gartshore from the University of British Columbia and Professor W.H. Melbourne from Monash University, Australia.

The L.G. Soderman Awards supported by contributions by engineers throughout Canada in recognition of the contributions of the late Professor Soderman, was awarded for the first time to Mr. Goodall.

#### THE CORE STUDIES GROUP

Members of the Core Studies Group are also members of the discipline oriented groups of the Faculty. This group encounters the first and second year students, and accordingly have been the first colleagues to encounter the large increase in enrolment experienced by the Faculty in the fall of 1973.

The Group continues to lead discussions in the Faculty related to improved teaching. Many of the Group participated in a workshop on Individualized Learning Management held at the University of Guelph.

Through the activities of the Core Studies Group, a discussion is being held with the Department of Applied Mathematics aimed at reducing the failure rate in Mathematics courses in the Faculty.

### THE ELECTRICAL GROUP

At the undergraduate level the teaching of design has been intensified and improved in the Communications and Electric Machines courses. Topics in report writing, engineering communication and practical statistics have been introduced in the third year laboratory curriculum. A modular, self paced instruction method was applied to the fourth year course on digital logic.

At the graduate level, cooperation with the Centre for Radio Science has been strengthened by the addition of a new faculty member, Dr. A. Webster, who will hold a joint appointment in Physics.

The Applied Electrostatics area continues to receive good financial support. One of the particularly interesting new projects was in cooperation with the University of Guelph and concerned the electrostatic application of pesticides to orchards and crops.

### ENVIRONMENTAL ENGINEERING

This option of the Master of Engineering program continued to emphasize its interdisciplinary approach and to attract capable students from science as well as engineering for the full time and part-time programs. The Sarnia activity in the future will be offered through the Department of Summer School and Extension, and stipends for the lecturers there will make the teaching more attractive.

Research in environmental topics continue to receive improved funding. Of special interest is the SWEEP grant under which eight undergraduate students were employed under a faculty team in studying the dynamic behaviour of the City of London's Greenway Sewage Plant.



### THE MATERIALS SCIENCE GROUP

Continued effort has been made within the group to encourage cooperative programs with Industry. The first M.E.Sc. degree, based on a cooperative program with Bell Northern Research, was completed this spring. Four other students are continuing in research projects leading to advanced degrees in which part of the research has been carried out in industry. The influence of this industrial interaction has been felt in the undergraduate program through visits of industrial consultants, notably George Montgomery of Stelco, through a series of lectures on mechanical properties of materials by Erl Schulson of AECL and through the participation of approximately twenty invited speakers from Industry who described problems on the application of materials as the basis for a required course in the fourth year materials science program. As a manifestation of the support of industry of the materials science program at Western, two new instruments were commissioned; a vacuum system provided by Bell Northern Research and x-ray diffraction apparatus provided by AECL.

### THE MECHANICAL ENGINEERING GROUP

At the undergraduate level the curricula in the third and fourth years were reviewed, with an emphasis on studies in Thermodynamics, Heat Transfer and Fluid Mechanics. Three undergraduate students under the direction of Professor Nowak were involved in the All Terrain Vehicle Competition held in Ahmeek, Michigan. Their entry received high honours and was awarded first prize in the area of originality and design.

The graduate research activity of the Group has continued strongly with work relating to heavy water properties and studies of exterior vehicle noise receiving excellent support. A multidisciplinary research team, headed by Professor Nowak

and funded by the Federal Government, has been formed to study factors affecting automobile accidents.

#### SYSTEMS ENGINEERING

Systems Engineering is an interdisciplinary option of the Master of Engineering program at Western. Doctorate student are enrolled in systems studies through the Chemical and Bio-chemical option. This academic group interacts closely with the Systems Analysis, Control and Design Activity (SACDA); facilities of this activity include a new CDC 732-12 medium speed terminal to the CYBER 73 computer, and a Teletronix graphics terminal to the IBM 370/168 computer of the Bell Northern Research Co. Limited in Ottawa.

SACDA has financed two visiting faculty members: Mr. Peter Hutchison from Cambridge University for six months, and Professor Paul Thomas from the University of Windsor for four months.

FACULTY OF LAW

Report of the Acting Dean

PROFESSOR E. E. PALMER

The following is a summary of the activities of the various faculty committees and of individual faculty members during the academic year 1973-74.

I REPORTS OF COMMITTEES

A. Admissions Committee - Professor S. I. Bushnell, Chairman.

The past Admission year again saw an increase in applications to this faculty. For the school year 1973-74 1,806 applications were received, from which 171 students who were admitted subsequently enrolled in first year. The increase in applications is certainly not a local phenomenon but is, according to all reports, occurring through-out North America at all law faculties. The result of this spate of applications was that many qualified applicants who in former years would have been accepted were turned away.

The receipt of the MacKinnon Committee Report of the Legal Education Committee of the Law Society of Upper Canada was one of the more significant events in the year for the Admissions Committee. The MacKinnon Report recommended that the law school waive the normal requirements for admission and admit as mature students persons on the basis of age, experience, maturity and outstanding qualities as evidenced by their previous careers. It might be noted that it was due to the existing policy of this Faculty to admit such applicants that the above recommendation

was made. As a result of the publicity concerning the MacKinnon Report there has been substantial increase in the number of persons applying as mature applicants, their number increasing from 9 in 1972-73 to 27 in 1973-74. In addition the Report recommended that faculties of law actively encourage Native Canadians to pursue legal careers. The Admissions Committee, agreed entirely with this recommendation and a press release was issued to various newspapers and organizations for the attention of this group. Four such applications were received and all four applicants were accepted by this Faculty. Also, because of a further suggestion of the MacKinnon Committee Report, we have ceased to require higher standards of persons with two years at university as opposed to those with degrees. Therefore, this group should in future years form a larger percentage of our student body.

The Committee is continuing its study of the criteria used for admission to law school. Because of the continually increasing number of applications, it is imperative that we are admitting the most qualified applicants to this Faculty.

B. Continuing Education Committee - Professor M. R. Gorsky, Chairman.

The work of the Continuing Education Committee has been reassessed in the light of the growing number of continuing education programs sponsored by the Law Society of Upper Canada and the Canadian Bar Association. Discussions were held with the out-going President of the County of Middlesex Bar Association with the view of establishing how the Law School might best serve the interests of practising lawyers in the field of continuing education. It was decided that rather than engaging in

an attempt to develop programs parallel to those of the Law Society and the Canadian Bar Association, small seminar type programs enacted from time to time led by a Law School Professor, based upon legislative changes, would best serve members of the practising profession. Such a program will provide for a means of bridging the gulf between the teaching and practising Bar.

There has been a good response from full time Faculty and it is anticipated that the program will commence functioning in September, 1974.

C. Curriculum Committee - Professor G. J. Brandt, Chairman.

The Curriculum Committee continued the process of ongoing review of the curriculum begun two years ago. Some of the issues considered included possible re-introduction of more compulsory courses in the second and third year of the program and the desirability of the semester system. The Committee also developed guidelines to be followed by persons seeking approval of an individual research project. The Committee reviewed its own role in connection with counselling students in the selection of their programs of study and, to that end, began work on a handbook for distribution to students. The work on this handbook was not completed at the end of term.

Five new courses were recommended for addition to the curriculum. These were: Corporate Finance, Products Liability, Women and the Law, Labour Relations in the Public Sector and Landlord and Tenant Law.

D. Library Committee - Professor L. V. Balogh, Chairman.

The Library Committee met on a number of occasions during the

1973-74 academic year to discuss matters brought to its attention by the professional library staff and of the Faculty. As in past years most matters dealt with were problems of an immediate nature and these were dealt with at the time they were brought forward.

As in the past there was no substantial discussion of long-range projections at the regular library meetings. We have already adopted a long-range acquisitions policy which appears to be as accurate a tool as can be provided without more detailed financial guidelines. The present policy appears to be working although there were instances during the last year when it appeared to have been ignored.

One of the major achievements of the Library Committee consisted of the preparation of an interim report of the Chairman of the Library Committee for use in the decanal selection process. Although the interim report was not dealt with formally by the Committee it was the result of detailed discussions with both members of the Library Committee and members of the Faculty and student body of the Faculty of Law. The report reflects the progress and goals which the Law School Library should pursue to continue its valuable contribution to the legal education at this institution.

E. Research Committee - Professor I. D. C. Ramsay, Chairman.

The Research Committee has carried on negotiations throughout the year to obtain a speaker for the first Ivan C. Rand Memorial Lecture. It now appears that Professor K. W. Wedderburn of the London School of Economics will give this lecture in September 1975. Arrangements are

now being planned for the lecture. The Research Committee has also sponsored a number of research seminars during the year at which members of faculty have presented papers on various topics. These papers included Professor Ramsay's paper on the Representation of Non-Investor Interest Groups on the Boards of Directors of Large Corporations and Its Implications for Company Law; Professor Solomon's paper on National and International Patterns of Illicit Heroin Distribution; Professor Sinha's paper on Problems of Is-Ought in Legal Philosophy and Professors McLeod's and Crown's joint paper, Towards a New Approach In The Conflict of Laws.

F. Scholarship Committee - Professor J. W. Samuels, Chairman.

1. Bursaries - 20 students applied to the Chairman for bursaries in November-December, 1973, and all were personally interviewed. Sixteen students were selected for Law Society Foundation Bursaries. The Harold Fox Foundation Bursary and one other bursary were also awarded. It was significant this year that only one-half the number of students as in previous years applied for bursaries.

2. Graduate Scholarships - Two students were assisted in the preparation of applications for graduate awards. Subsequently, one was awarded a Canada Council Doctoral Fellowship.

3. Scholarships and Awards - There were only two new developments during 1973-74:

The Harold G. Fox Education Fund: an additional \$1,000 was given to be used for annual awards of \$100 to "a student in first or second year who shows exceptional promise".

The Borden and Elliot Prize: this award has been increased in

value from \$200 to \$300 to the student achieving the highest standing in Second Year.

G. Student Appeals Committee - Professor S. I. Bushnell, Chairman.

The Student Appeals Committee is a committee which advises the Dean of Law with respect to appeals by students. It is composed of four faculty members and one student. The Committee considered 13 appeals relating to the academic year 1972-73.

II ACTIVITIES OF MEMBERS OF FACULTY

A. PUBLIC SERVICE

Bryant, A. W. - Director, University Legal Clinic, providing legal services to those unable to obtain such services either privately or under the Ontario Legal Aid Plan.

Judson, J. W. T. - Legal counsel to the Urban League of London, the West London Community Association, the Talbot Community Association and the Broughdale Community Association.

McLeod, J. G. - Member, Big Brothers.

Palmer, E. E. - Member, London Police Commission.

Samuels, J. W. - Legal Adviser to Canadian and Canadian Red Cross Society delegations to the International Conference of the Red Cross, Teheran, Iran, November 1973; Legal Adviser to the Canadian delegation to the Diplomatic Conference on the Development and Reaffirmation of International Humanitarian Law, Geneva, Switzerland,



February-March 1974.

Solomon, R. M. - Consultant to and member of the London Police Community Relations Committee.

Usprich, S. J. - Part-time Assistant Crown Attorney, Middlesex County; Director and Secretary of the Board, Inner City Youth Inc., London.

B. UNIVERSITY & OTHER ACTIVITIES

Bryant, A. W. - Presentation to the Ontario Task Force on Legal Aid in London.

Crown, J. - Don at Sydenham Hall for 1973-74.

Roberts, R. J. - Address to students at University of Guelph career seminar.

Solomon, R. M. - Consultant to the Department of the Attorney General of British Columbia on law enforcement.

C. SCHOLARLY ADDRESSES

McLeod, J. G. - "Family Law" London and District Labour Council Education Conference, London, Ontario, February 24, 1974.

Oosterhoff, A. H. - "Problems in the Teaching of Trusts". Panelist at the Canadian Association of Law Teachers Conference, Toronto, June 5, 1974.

Oosterhoff, A. H. - "The Introduction of Tax Concepts in the Teaching of Trusts". Panelist at The Canadian Association of Law Teachers Conference, Toronto, June 1974.

Palmer, E. E. - "The Labour Relations Agreement". Institute of Professional Librarians of Ontario seminar "Labour Relations and the Librarian", Wilfrid Laurier University, May 14, 1974.

Ramsay, I. D. C. - "The Representation of Non-Investor Interest Groups on the Boards of Directors of Large Corporations and Its Implications for Company Law". Faculty of Law Research Seminar, University of Western Ontario, October 1973.

Samuels, J. W. - "Revised Agreement on Weather Modification". World Conference on Peace Through Law, Abidjan, Ivory Coast, August 26-31, 1973.

Samuels, J. W. - "International Law of Human Rights: Present Realities and Future Prospects." Panelist at the Annual Conference of the Canadian Council on International Law, Ottawa, October 11-13, 1973.

Samuels, J. W. - "A Paradox of Time: Human Rights - Late 20th Century". The Annual Conference of the Canadian Council on International Law, Ottawa, October, 1973.

Samuels, J. W. - "An Exercise in Frustration: Vietnam, Peace, and the Canadian Red Cross". Address to North Bay and District Canadian Club, February 26, 1974.

Solomon, R. M. - "Heroin Treatment Effectiveness". Department of Psychology, University of Western Ontario, August 1, 1973.

Solomon, R. M. - "The Historical Development of the Canadian Heroin Trade". The Addiction Research Centre, London, Ontario, March 26, 1974.

Solomon, R. M. - "The Development of Public Attitudes to Non-Medical Opiate Use in Canada". Fanshawe College Workshop on Drug Abuse, London, Ontario, May 10, 1974.

Solomon, R. M. - "National and International Patterns of Illicit Heroin Distribution". Faculty of Law Research Seminar, University of Western Ontario, April 15, 1973.

D. RESEARCH PROJECTS - FUNDED

- Gorsky, M. R.  
McLaren, R. H. "Proposal for Study of Small Claims Courts in Ontario - Do They Adequately Serve the Poor?" (Funded by the Department of Justice).
- Oosterhoff, A. H.  
Rayner, W. B. &  
Vivian, P. E. "Restrictions on the Property Rights in Ontario" (Funded by the Ontario Real Estate Association).
- Ramsay, I. D. C. "Cases and Materials on Comparative Law". (Funded by University of Western Ontario).
- Roberts, R. J. "Trade Secrets and Confidential Information" (Funded by the University of Western Ontario). "Expert Witnesses & Environmental Litigation" (Funded by the University of Western Ontario) "Cases and Materials on Anti-Combines Legislation" (Funded by the University of Western Ontario).
- Solomon, R. M.  
Crown, J. "Cases and Materials on Torts" (Funded by the University of Western Ontario).
- Solomon, R. M. "A Study of London Police - Community Relations Problems" (Funded by the London Police Community Relations Committee, and Ontario Youth and the Law Program).  
"A Report on the Policy Alternatives in Dealing with Organized Crime Control of Non-Medical Heroin Use in Canada" (Funded by the Department of the Attorney General of British Columbia).

E. RESEARCH PROJECTS - NON-FUNDED

- Gorsky, M. R. "A study of legislative enactments relating to residential tenancies in Canada, 1970-present." For the Housing and Urban Development Association of Canada.
- Samuels, J. W. "Humanitarian Relief in Man-Made Disasters: the International Red Cross and the Nigerian Experience."
- Solomon, R. M. "Legal Research, Writing and Moot Court for First Year Law Students" - a casebook.
- Solomon, R. M. "The Historical Development of Illicit Opiate Distribution in Canada 1870-1970."

ENROLLMENT STATISTICS 1973-74

	<u>Registered August, 1973</u>	<u>Wrote Examinations April, 1974</u>
First Year:	174	160
Second Year:	136	135
Third Year:	132	131

SCHOOL OF LIBRARY AND INFORMATION SCIENCE

Report of the Dean

PROFESSOR W. J. CAMERON

During the year July 1st, 1973 to June 30th, 1974, the School developed new programs and reviewed or revised old ones. Most notable was the launching of the Ph. D. program in the Bibliographical Control of Information, but perhaps of comparable significance was the successful carrying out of the program in the Caribbean which was mentioned in last year's annual report. The M. L. S. program was considerably modified to meet the challenge of new expectations.

The Ph. D. Program

The Ph. D. program was mounted according to plan in September, 1973. Two students, Michael Shepherd and Carolyn Watters began their studies in September, and were joined by a third student, Suzanne Nuss, in May 1974. Two Visiting Professors were appointed to aid in developing the program. Professor Arashanipalai Neelameghan, Head of the Documentation Research and Training Centre in Bangalore, India, joined the School for a year, beginning in September; and Professor Jason Farradane, former Director of the Centre for Information Science, City University, London, England joined us in May. Both are internationally distinguished teachers and researchers in the field of classification theory, and their assistance in developing our new Ph. D. program is greatly appreciated.

The Caribbean Project

During the Summer Session 1973 (July and August) an exchange

of professors with the Escuela Graduada de Bibliotecología, University of Puerto Rico took place. During the fall term 1973 (September - December) two faculty members from the School took their regular term off from teaching at SLIS and donated their services to the Department of Library Studies, University of the West Indies, Mona, Jamaica, and taught several courses without extra remuneration in that developing school. In the period January - June 1974, one other member of the faculty did likewise. By means of a grant of \$10,000 made to the School by the Organization of American States to facilitate such teaching aid, two other members of the faculty were also sent down to Jamaica to teach. Part of the OAS money was used to offset the extra cost to the volunteers of maintaining apartments or homes in two countries, but the School was also aided with air travel grants made by the Canadian Government's Department of External Affairs. A total of \$1,476 was provided as part of External Affairs' program to help Canadian citizens teach abroad. The success of the School's aid program was such that application for a matching grant was made to the Non-Governmental Organizations Division of the Canadian International Development Agency to enable the program to be continued and developed next year. In June, CIDA approved a grant of \$22,200 for the project.

#### The M. L. S. Program

Review of the M. L. S. curriculum continued during the year, culminating in a Long-Term Review Conference on June 5 to which faculty, students, librarians, and university colleagues were invited. A discussion paper by Professor Janet Fyfe A strategy for curriculum development: "Disjointed Incrementalism" set the stage for a dramatic change in the School's approach to curriculum development, and the Dean's discussion papers provided a scenario, based on his interpretation of the consensus of faculty opinion, his understanding of the thrust of the ACAP report on Library Science, and his sifting of informed opinion in professional library and information science organizations. A new curriculum seems ready for mounting next year.

This new curriculum will be largely concerned with the structure and contents of the elective courses. During the past year, however, a new structure for the required courses was evolved, and implemented

in the fall term. The number of courses required of all M. L. S. students was reduced to nine, and a significant shift from an historical emphasis to a research emphasis in the required courses was apparent when the "501 or 502" requirement was dropped and a "530" requirement was added. The 501 and 502 courses (Old World Intellectual and Cultural Foundations, and New World Intellectual and Cultural Foundations) remain in the curriculum as electives, and 530 (Research Methods) was changed from an elective to a required course. Course 523 was renumbered 520 and became the single required course in Administration (the other course thus became elective). The pattern of a full-time student's program can be schematically described thus:

First Term:	E	511	551	530	E
Second Term:	E	512	552	520	E
Third Term:	E	513	553	580	E

where E = an elective and 580 is the "Masters Seminar". The contents and approach of the three information science courses (551, 552, 553) were radically revised, and an experiment in teaching 511 in a new way was authorized in preparation for a possible revision of the three library science courses (511, 512, 513).

The 511 experiment, being undertaken by Professor Neill, is an attempt to maximise the use of SLIS Library and its professional librarians in the teaching of professional theory and methodology. The experiment was begun in January and will not be completed until December, when a full evaluation will be conducted. But success in particular aspects of the experiment has already led to an innovative approach to the development of a new structure for the support staff of the SLIS library, as outlined below (under Support Staff).

#### Students in the M. L. S. Program

Enrolment figures for each of the terms were as follows:

	<u>Special Undergraduate Students</u>	<u>Full-Time M. L. S.</u>	<u>Part-Time M. L. S.</u>	<u>Special Graduate Students</u>
Summer Session (including Spring Term 1973)	1	139	29	1

	<u>Special Undergraduate Students</u>	<u>Full-Time M. L. S.</u>	<u>Part-Time M. L. S.</u>	<u>Special Graduate Students</u>
Fall Term 1973	6	132	26	-
Winter Term 1974	7	126	20	1
Spring Term 1974	0	126	23	0

The School has been endeavouring to improve its records of the placement of its graduates in professional positions, but not all graduates have responded to our efforts to gather information. At the end of June, we had been informed by 49 of the 81 who completed their M. L. S. in August of the positions they now hold; by 19 of the 27 who completed in December; and by 22 of the 37 who completed in April 1974.

#### The Faculty

The full-time visiting professor program was continued during 1973-74. Dr. Fred Kidder, Director of the Escuela Graduada de Bibliotecologia, University of Puerto Rico, who was Visiting Professor in the School during the Summer Session 1973 also came to initiate the faculty exchange program with the University of Puerto Rico. Thus Professor W. H. Hudgins from our School taught as a visiting professor in the summer session program in San Juan, Puerto Rico. And other faculty members (Ms. Donna Jean Janes, Dr. W. Boyd Rayward, and Ms. Janette White) taught in Jamaica. Professor Emeritus Laura C. Colvin and Ms. Ramma Kamra also took part in the Caribbean project on funds provided by the Organization of American States.

As mentioned above, Professor Neelameghan (from India) and Professor Farradane (from England) joined us to help develop the Ph. D. program but they also taught M. L. S. courses in organization of knowledge and classification, indexing, industrial information systems, and information retrieval. Professor Neelameghan will be with the School until September 1974, and Professor Farradane until December 1974.

Two members of the full-time faculty resigned during the year. Professor Gloria Strathern joined the faculty of the library school at



the University of Alberta at the beginning of the fall term. Although Professor W. H. Hudgins joined the staff of the London Public Library early in 1974, he continues to teach part-time in the School.

Part-time teachers who took responsibility for a course during the year were two of our honorary lecturers, Dr. I. C. Marin and Dr. F. L. Holmes, and one of our Professors Emeriti, Laura C. Colvin. Also teaching part-time were the University Librarian (Dr. R. E. Lee), Miss Eleanore C. Donnelly of the London Public Library, Dr. Charlene Swarthout, Professor J. Belzer of the University of Pittsburgh, Mr. Gordon Dodds of the Ontario Provincial Archives, Ms. Margaret Beckman, Chief Librarian of the University of Guelph, Mr. Stephen Langmead, library architect, and Mr. John Parkhill, Director of the Metropolitan Toronto Library. A very pronounced characteristic of the year's work were the very large number of guest lecturers and resource people who came to take part in individual seminars. An estimated 40-50 people visited seminars during the year, and guest lecturers included Mr. David Batty of McGill University, Mr. Brian Harris of the University of Ottawa, Ms. Inez Fitzgerald of the University of Pittsburgh, Mr. Edward O'Neill of the State University of New York at Buffalo, Mr. J. Phillip Immroth of the University of Pittsburgh, Mr. Gijbertus K. Beynen of the State University of New York at Geneseo, Mr. Richard Anable of York University, Ms. Stella Keenan of the National Federation of Abstracting and Indexing Services in Philadelphia, and Ms. Jean Adelman of the University of Philadelphia.

### Support Staff

As a result of experiments in using the professional library staff in Course 511, and sporadic use of the same people in other courses, it has been decided to recruit three full-time "Librarian-Instructors" (and one part-time) for the coming year whose duties will be half-time professional work in the library, and half-time instruction in the M. L. S. program. The reduction of time spent in library duties by the Librarian-Instructors will be compensated for by employing library technicians as support staff in the library. It is hoped that during a year of experimenting with this new structure, library staff, faculty, and students will become increasingly familiar

with, and deeply involved in, the development of the SLIS library as a working library, as a demonstration unit, and as a laboratory for trying out new ideas. The faculty status of the professional librarians will also improve communication of ideas about the educational objectives of the School.

The Librarian, Joan Gentleman, has worked under trying conditions for the past six months in her very commendable attempt to initiate the instructional work for the new organization of duties. As professional staff have left the library to take up positions elsewhere (in accordance with expectations implicit in the older, post-M. L. S. internship program), the positions have been kept open to enable the School to recruit people for the new structure. Ms. Gentleman and Ms. Glendenning have thus been keeping the professional work going with an undermanned library while at the same time giving freely of their time as instructors during the feasibility stage of the 511 experiment. Ms. Therese Wong, Cataloger, left for a position in Toronto Public Library on 30 November, Ms. Barbara Vitols, Serials Librarian, for a position in the D. B. Weldon Library, University of Western Ontario, on 31 December, and Paul Malvern, Acquisitions Librarian, for a position in the Hamilton Public Library on 10 May. Mr. Bruce Banting was appointed as Serials Librarian on 2 January on the understanding that a major change was under advisement, and he too took part in the experimental use of professional staff as instructors.

#### The School's Quarters

The School has begun to outgrow its quarters, and in January, first reading was given in the Senate of the University to a proposal to move to the first two levels of Middlesex College in September 1975. The School's Sector Planning Committee worked very hard and long during the winter term on detailed plans for such a move, which seemed the most viable of alternatives for providing for our space needs for the next ten years. It also seemed to be the most advantageous alternative educationally, for it would place the School in the same building with Journalism and Secretarial Science, whose common interest in information and communication is well recognized by the Porter Report published by the University in 1971.

A "hold" on planning for such a move was, however, imposed at the beginning of the spring term while Senate committees reviewed the University's space needs. In the meantime, however, the urgent need for faculty offices and extra conference and seminar rooms was recognized, and Senate in June authorized the transfer of three portable classroom buildings to the vicinity of the School. These should prove adequate to cope with the needs of the participants in the Ph. D. program for a year or so, but interdisciplinary activities (especially at the doctoral level) will require resiting of the School very soon. So, in addition to consolidation and development of the now well-established M. L. S. program, the School has embarked on a new phase of growth at the doctoral level, which will bring with it a new emphasis on research and on interdisciplinary study, new "outreach" to the community, and new involvement in international as well as national problems of bibliographical control of information.

FACULTY OF MEDICINE

## Report of the Dean

DR. D. BOCKING

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After several years of planning, the new undergraduate curriculum of the Faculty of Medicine was commenced in September 1973. The old curriculum will be phased out during the succeeding three years. The new curriculum provides for an earlier introduction to the clinical subjects, greater integration of basic and clinical courses, a Third Year clinical clerkship, and more elective time.

Another major event was the commencement of construction of the Health Sciences addition. This will provide much needed additional space for the basic science departments, the Health Sciences Library, the Animal Quarters, and administrative offices.

The Faculty of Medicine is indebted to the Directors of the Richard and Jean Ivey Fund for the endowment of the Richard Ivey Chair of Surgery in memory of the late Richard G. Ivey, Q.C., L.L.D., a former Chancellor of the University. Professor A.D. McLachlin was named the first incumbent of the Richard Ivey Chair of Surgery effective March 1st, 1974 and on his retirement was succeeded in the Chair by Professor C.G. Drake effective July 1st, 1974.

The Faculty of Medicine wishes to record its appreciation of the work and interest taken by Mr. R.R. Glover, who retired as Comptroller of the University on December 31st, 1973. Similar appreciation is also expressed to Dr. J.K. Watson, who retired as Registrar and Secretary of the Senate after many years of devoted service to the University.

FACULTY

During the year, the faculty was saddened by the passing on August 2nd, 1973 of Dr. H.M. Simpson, a former member of the Department of Surgery. The death of Professor James Burns on September 8th, 1973 was regretted by many members of the faculty and graduates who had taken Organic Chemistry under his tutelage during their premedical education. The death of Dr. John M. Parker, Professor of Pharmacology on March 25th, 1974 was a sad loss for the University and the Department of Pharmacology. The Department of Physiology lost a senior technical officer in the death of Mr. R.W. Luke on September 20th, 1973. Mr. Luke had served the Department and Faculty well since 1946.

The retirement of two highly respected faculty members at the end of the academic year is recorded. Professor A.D. McLachlin retired as Head of the Department of Surgery, a position which he held with distinction since 1945. Fortunately, Dr. McLachlin will continue on a post-retirement basis as Professor of Surgery at the University Hospital. Dr. Charles A. Thompson also retired from the active teaching staff of the Department of Ophthalmology, and generously donated funds to both the Department of Ophthalmology and the Department of Otolaryngology for the establishment of research and visiting lecturer funds.

During the year, Professor R.G.E. Murray served as Acting Dean of Science relinquishing his duties as Head of the Department of Bacteriology and Immunology, a position which he had held with distinction since 1949. During the year, Professor Murray completed his term as President of the American Society of

## Microbiology.

The Faculty of Medicine was pleased to join with the University in honoring Dr. Robert L. Noble, a former faculty member, with an Honorary Doctorate of Science at the fall Convocation on October 26th, 1973. At the spring Convocation, two of the most distinguished members of the Faculty of Medicine were awarded Honorary Doctorates of Science. On June 6th, Professor A.C. Burton was awarded an Honorary degree and on June 7th, Professor Murray L. Barr was similarly honored.

Congratulations were extended to Dr. Ronald Hobkirk who received a Doctorate of Science from the University of Edinburgh.

During the year, the Faculty of Medicine was privileged to have several visiting lecturers. The MRC Visiting Professorships were held by Professor George Ling of the University of Ottawa who visited the Department of Pharmacology in December, 1973; Dr. J.H. Milsum of the University of British Columbia who visited the Departments of Biophysics, Physiology, and Psychiatry during March, 1974; and Dr. Leon Wolfe of McGill University who visited the Departments of Medicine, Clinical Neurological Sciences, Biochemistry, and Obstetrics and Gynaecology in May, 1974. Professor George L. Engel was the visiting AOA lecturer with the Departments of Medicine and Psychiatry in September, 1973. Professor J.R. Brobeck, of the Department of Physiology at the University of Pennsylvania, gave the Second Annual Stevenson Lecture on October 18th, 1973. The Dr. J.C. Paterson Memorial Lecture was presented on May 31st, 1974 by Dr. W.C. Roberts, Chief of Pathology of the Cardiology Branch of the National Heart and Lung Institute in Bethesda, Maryland. The Dr. F.J.H. Campbell Lecture was given on April 29th, 1974 by Dr. J.E. Leonard-Jones on the topic of Pathophysiology of Peptic Ulcer. Dr. Barbara Ansell of Taplow, England, gave the Wallace Graham Lecture on June 25th, 1974. Visiting Lecturers to the Department of Anaesthesia were Dr. John Barker of Glasgow, Dr. W.R. Hain of the Children's Hospital at Nottingham, England, Dr. E.A. Moffatt of Dalhousie University, and Dr. S. Crawford of the Birmingham Maternity Hospital. Visiting Lecturers in the Department of Biophysics were Dr. A. Murray Harper, Director of the Wellcome Surgical Research Institute of Glasgow, and Professor Torsten Teorell of Uppsala University in Sweden. Dr. Harper also was a guest lecturer in the Department of Clinical Neurological Sciences. Visiting Lecturers in the Department of Ophthalmology were Dr. David G. Cogan of Boston, Dr. Thomas P. Kearns of the Mayo Clinic, Rochester, Minnesota, Dr. William R. Green of the Wilmer Institute, Baltimore, Maryland, Dr. P. Robb MacDonald of Philadelphia, Pennsylvania, and Professor Rudolph Witmer of Zurich, Switzerland.

Dr. B.G. Bentsen of Oslo, Norway, was a Visiting Associate Professor in the Department of Family Medicine during the academic year.

During the year, several members of the faculty were invited lecturers at other Canadian, U.S., and British Universities.

On November 1st, 1973, Dr. O.H. Warwick, former Vice-President (Health Sciences), returned from Study Leave and assumed a full-time position as Professor of Therapeutic Radiology and of Medicine in the Ontario Cancer Treatment and Research Foundation Clinic at Victoria Hospital.

During the year, Dr. Carol Buck was on Study Leave from her position as Chairman of the Department of Epidemiology and Preventive Medicine and engaged in research at Guy's Hospital in London England. The following members of faculty were on sabbatical leave during the year - Dr. R.C. Buck of the Department of Anatomy,

Dr. Peter Dellow of the Department of Physiology, Dr. John Frei of the Department of Pathology, Dr. Paul Mercer of the Department of Physiology, and Dr. C.F. Robinow of the Department of Bacteriology and Immunology.

The resignation of three senior members of faculty to accept appointments at other universities is recorded with regret. Dr. C.C. Bigelow has accepted an appointment as Professor and Chairman of the Department of Biochemistry at Memorial University, St. John's, Newfoundland. Dr. D.G. Gwyn accepted the appointment as Professor and Chairman of the Department of Anatomy at Dalhousie University. Dr. Brian Hennen accepted the appointment as Director of the Family Medicine Program at Dalhousie University. Their contributions to the Faculty over a number of years are recorded with thanks.

Dr. E.R. Ecclestone was elected as a representative of the Faculty of Medicine to Senate for the period November 1, 1973 to October 31st, 1975. Dr. G.J. Mogenson of the Department of Physiology was elected as a representative of the Faculty of Graduate Studies to Senate.

The resignation of Dr. J.B. Neilson as Medical Director and Director of Medical Education at the University Hospital effective May 31st, 1974 is recorded with regret. Dr. Neilson was the first Executive Director of the new University Hospital and played a major role in its planning, construction and initial operation. He was an Honorary Lecturer in the Department of Epidemiology and Preventive Medicine.

The renewal of the Medical Research Council Associateship of Dr. Ronald Hobkirk for a further five years is recorded.

Other awards to faculty members included the award of a Fellowship in the Royal College of Physicians and Surgeons of London to Professor Owen Clarke of the Department of Medicine.

Dr. Michael Thompson of the Department of Psychiatry was awarded a gold medal by the American Academy of Child Psychiatry for work in the area of Child Psychiatry.

During the fall, Dr. James F. Ballantyne of the Department of Ophthalmology resigned his appointment as Chief of Ophthalmology at St. Joseph's Hospital in order to accept election as a non-university representative on the Council of the College of Physicians and Surgeons of Ontario.

Dr. W.E.G. Spoerel, Professor and Head of the Department of Anaesthesia, continued his interest in acupuncture and was selected as a member of the Canadian team of anaesthetists to visit the People's Republic of China for six weeks during April and May of 1974 under the auspices of the Department of National Health and Welfare.

Dr. J.M. Wanklin served as the faculty representative to the Association of Canadian Medical Colleges. Dr. C.G. Drake concluded his distinguished term of office as President of The Royal College of Physicians and Surgeons of Canada in January, 1974. Dr. D.G. Montemurro was named President-elect of the Mid-West Anatomists Association. Dr. David T. Armstrong served as Honorary Secretary of the Canadian Federation of Biological Societies and was succeeded in this position in June of 1974 by Dr. J.T. Hamilton of the Department of Pharmacology. Dr. Paul F. Mercer was appointed to the Senate Review Board (Academic).

Faculty and the University. In addition, members of faculty served on Editorial Boards of Canadian scientific journals and on the Council and Grants Committees of the Medical Research Council, the Ontario Heart Foundation, and other granting bodies, and the Committees and Councils of the Ontario Medical Association, Canadian Medical Association, specialty societies, and The Royal College of Physicians and Surgeons of Canada.

### Departments

On September 1st, 1973, Dr. James E. Boone, of Toronto assumed the position of Professor and Chairman of the Department of Paediatrics, Chief of Paediatrics at Victoria Hospital, and Physician-in-Chief at the War Memorial Children's Hospital.

During the year, external appraisals of several Departments were carried out in conjunction with changes in the chairmanships. The Departments reviewed were Anaesthesia, Bacteriology and Immunology, Medicine, Ophthalmology, Pathology, and the Division of Clinical Biochemistry in the Department of Biochemistry.

Dr. Charles Dyson resigned as Head of the Department of Ophthalmology effective January 31st, 1974 after fifteen years of distinguished and dedicated service to the Department. Dr. Dyson continues as Clinical Professor of Ophthalmology and Chief of Ophthalmology at Victoria Hospital. Dr. J.V.V. Nicholls was appointed Chairman of the Department of Ophthalmology and Clinical Professor for the period February 1, 1974 to June 30th, 1975.

Dr. A.C. Wallace resigned as Head of the Department of Pathology and Chief of Pathology effective June 30th, 1974. Dr. Wallace has given distinguished leadership to the department during the past 10 years and will continue as a Professor in the Department of Pathology. He is succeeded as Chairman of the Department and Chief of Pathology at the University Hospital by Dr. Robert A. Goyer of Chapel Hill, North Carolina, effective July 1st, 1974.

Dr. A.D. McLachlin retired as Head of the Department of Surgery and Chief of Surgery at the University Hospital effective June 30th, 1974. Dr. McLachlin has given outstanding service to the University and in the field of surgery at both the national and international level. He played a major role in the development of the Faculty of Medicine since his appointment as Head of Surgery in 1945. He will continue as a Professor of Surgery at the University Hospital. Dr. McLachlin is succeeded by Professor C.G. Drake as Chairman of the Department of Surgery and Chief of Surgery at the University Hospital.

In accepting the Chairmanship of the Department of Surgery, Dr. Drake concluded his term as Chairman of the Department of Clinical Neurological Sciences. Dr. H.J.M. Barnett, Chairman of the Division of Neurology was named Chairman of the Department effective July 1, 1974. Dr. Drake continues as Chairman of the Division of Neurosurgery.

During the year, Dr. W.E. Spoerel submitted his resignation as Head of the Department of Anaesthesia and Chief of Anaesthesia at the University Hospital, his resignation to become effective June 30th, 1974. Dr. Spoerel was reappointed as Chairman of the Department for a five-year term effective July 1st, 1974.

During the year, Dr. R.W. Gunton indicated his wish to step aside as Head of the Department of Medicine and Chief of Medicine at the University Hospital effective June 30th, 1975. Selection Committees were established to seek a replacement for Dr. Gunton.

Dr. E.L. Medzon served as Acting Chairman of the Department of Bacteriology and Immunology for the period July 1, 1973 to June 30th, 1974. Dr. A.C. Groom served as Acting Chairman of the Department of Biophysics from April 1st to July 31st, 1974 during Dr. M.R. Roach's study leave.

Dr. J.K. Wyatt was appointed Acting Chairman of the Division of Urology of the Department of Surgery on April 15th, 1974 during the absence of Professor L.N. McAninch on sick leave.

Dr. J.H. Duff was named Chairman of a new Division of General Surgery in the Department of Surgery effective July 1st, 1974.

The following appointments as Chiefs of Service in the teaching hospitals are recorded:- Dr. P.G.R. Harding - Chief of Obstetrics and Gynaecology - St. Joseph's Hospital effective March 1, 1974; Dr. M.P. Wearing - Chief of Obstetrics and Gynaecology - Victoria Hospital effective May 1st, 1974; Dr. R.T. Collyer - Chief of Ophthalmology - St. Joseph's Hospital effective July 1st, 1973; Dr. R.O. Heimbecker - Chief of Cardiovascular and Thoracic Surgery - University Hospital effective February 1st, 1974; Dr. S.W. Brash - Chief of Orthopaedic Surgery - University Hospital effective August 1st, 1973.

Dr. John T. Biehn was appointed Director of the St. Joseph's Family Medical Centre effective July 1st, 1974.

Dr. D.R.M. McCourtie was appointed Director of Medical Education at St. Joseph's Hospital effective September 1st, 1973, succeeding Dr. G.J.M. Tevaarwerk in that position. Dr. R.K. Stuart was appointed Acting Director of Medical Education at the University Hospital in June of 1974.

In November, 1973, the Department of the History of Medicine and Science was admitted as a Department in the Faculty of Science.

A Department of Nuclear Medicine was established at St. Joseph's Hospital and Dr. Lionel Reese was named Chief of the Service.

In August of 1973, the Department of Physical Medicine and Rehabilitation hosted the annual meeting of the Canadian Association of Physical Medicine and Rehabilitation.

### Programs

At the spring Convocation on June 7th, 1974, Professor Helen P. LeVesconte was awarded an Honorary L.L.D. by the University on the occasion of the first graduating class from the Program in Occupational Therapy. At that time, the first nine students to complete the four-year program graduated.

The entering enrolments in the three Programs in September, 1973 were: Communicative Disorders - 25, Occupational Therapy - 35, and Physical Therapy - 24.

In February of 1974, Senate approved the change in the name of the Program of Communication Disorders to that of Program in Communicative Disorders.

During the year, an ad hoc Committee was established under the chairmanship of Dean W.J. Dunn to review the administrative arrangements for the three programs. The recommendations of the Committee were considered by the Office of the President, the Chairmen of the major Senate Committees, and the Vice-



President (Health Sciences) Committee. Eventually it was agreed that, for the present, the existing arrangements for the Programs in the Faculty of Medicine should be retained.

### Student Affairs

In accordance with a Provincial Government decision, the entering class size for Medicine was held at 100 in September, 1973. There were over 1,200 applicants for the 100 positions.

During the Year, the Dr. J.C. Rathbun Memorial Prize in Paediatrics was established by the family and colleagues of the late Professor Rathbun.

During the spring, Mr. Robert Williams was elected President of the Hippocratic Council.

In November, 1973, the annual undergraduate medical student program *Tachycardia* was presented at the London Teacher's College, at which time the musical and thespian talents of the medical students were demonstrated.

For the summer of 1974, the following student scholarships were available: 20 summer scholarships provided by the Physicians' Services Incorporated Foundation for first and second year medical students; 6 Medical Research Council Studentships; and 3 Ontario Heart Foundation Studentships. In addition, there were 17 summer preceptorships awarded to second year students by the Ministry of Health. Another 31 medical students were employed by Basic and Clinical Departments as part of their summer research programs.

### Education

A major event in the Faculty of Medicine was the commencement of the new curriculum in First Year in September, 1973. In addition to the courses in Anatomy, Histology, Biochemistry, Physiology, Pathology and Bacteriology, there is an Introduction to Medicine course during the first week, and interdisciplinary courses in Integrative Biology, Medicine and Society, Neurosciences and Mind, Clinical Methods, and Clinical Science. The Department of Biophysics also contributed for the first time to the regular undergraduate medical curriculum.

Another major event during the year was the accreditation surveys conducted during the period March 4 to 8, 1974. The undergraduate medical curriculum and Faculty were surveyed by a team appointed by the Liaison Committee on Medical Education of the Association of Canadian Medical Colleges, the Association of American Medical Colleges, and the Council on Education of the American Medical Association. At the same time the postgraduate programs were reviewed by a team appointed by the Royal College of Physicians and Surgeons of Canada. The report of the latter survey has been received and indicated approval of all programs, and tentative approval of four new programs in gastroenterology, rheumatology, neuropathology, and adult cardiology.

During the year, approval was received from the College of Family Physicians of Canada for the residency training program of the Department of Family Medicine.

At the June meeting of the Council of the Faculty of Medicine, approval was given to the format for the Fourth Year of the new curriculum. This will include four weeks of Family Medicine, twelve weeks of elective time, sixteen weeks of selective topics taken in one of four streams of Medicine, Surgery,

Family Medicine, or General Medicine.

During the year, Council, Senate, and the Board of Governors approved the establishment of the Dr. Jason A. Hannah Chair for the History of Medical and Related Sciences in the Department of the History of Medicine and Science. This Chair is made possible by a five-year grant from the Associated Medical Services Foundation Incorporated which has a major interest in supporting academic programs in the History of Medicine at each of the five Ontario Medical Schools. The Chair is named after the founder of the Associated Medical Services.

The Council of the Faculty of Medicine and Senate approved a proposal for a fourth year Honors Program in the History of Science.

During the year, ad hoc Committees of the faculty gave consideration to the development of areas of interest in Emergency Medicine and Geriatric Medicine. Funding was received in a three-year grant from the Physicians' Services Incorporated Foundation for the establishment of a position of Co-ordinator of Emergency Medicine. This appointee would develop undergraduate, post-graduate, and continuing medical education programs in Emergency Medicine, would assist in the development of educational programs for nurses and allied health personnel, and would assist in developing research programs in Emergency Medicine and in the co-ordination of Emergency Health Services in the London area.

In the field of Geriatric Medicine, the appointment of a Co-ordinator of Geriatric Medicine has been recommended. The appointment of such a person was materially assisted by a grant of \$10,000 from the Women's Christian Association which was observing its Centenary of service to the Community. The Women's Christian Association and Parkwood Hospital co-sponsored a refresher day in Geriatric Medicine on April 10th, 1974, at which time, Professor W. Ferguson Anderson of Glasgow and Dr. William Bondareff of Northwestern University were visiting Professors.

The Continuing Education Division of the Faculty continued to mount an excellent program of continuing education which included refresher days, visiting lectureships and a visiting consultant program.

### Research

Each Department of the Faculty of Medicine continued to carry on an active program of research and clinical investigation. The work of the various investigators is reported in the list of publications in another section of the President's Report. The research funds made available to the Faculty of Medicine in 1973-74 total \$4,190,000.00.

During the year, there was considerable concern about the levelling off of funding by the Government for medical research. A meeting of concerned members of faculty was held with Mr. J. Judd Buchanan, Member of Parliament, on February 25th, 1974. At that time, the concern of the faculty was brought to the attention of Mr. Buchanan and through him to other members of Parliament.

In the spring, the Provincial Ministry of Health announced the availability of funds to carry out Acupuncture Research. A submission is being developed by the Faculty of Medicine for a research program and an Acupuncture Referral Centre at the University Hospital.

### Building Program

In the summer of 1973, the Program in Physical Therapy completed its move into the basement area of the University Hospital. The Program in Occupational Therapy moved into renovated quarters in the lower, lower ground area of the Dental Sciences Building. The official opening ceremony for this area was held on December 10th, 1973 at which time Mr. W.C.P. Baldwin, Vice-Chairman of the Board of Governors, cut the ribbon. In the spring of 1974, the Program in Communicative Disorders moved into newly completed areas on the eighth and ninth floors of the Social Sciences Centre. The funding for the alterations for the Programs in Communicative Disorders and Occupational Therapy was made available through the Ontario Health Resources Development Plan fund.

In November, 1973, approval was finally received to commence construction on the Health Sciences Centre addition which included new quarters for the Faculty of Nursing, and additions to the Animal Quarters and the Health Sciences Library. The Health Sciences Centre addition will also provide additional space for the Basic Science Departments and new administrative areas for the Faculty of Medicine and the Office of the Vice-President (Health Sciences).

During the year, the Department of the History of Medicine and Science was accommodated on the third floor of the Social Sciences Centre. The Department of Family Medicine moved from the first floor of the Medical Sciences Building to temporary accommodation in Middlesex College.

With expanding class sizes and course enrolment in Basic Science programs, the major problems relating to space are those of student study areas and undergraduate laboratory space.

### Affiliated Teaching Hospitals

During the year, the University Hospital completed its first one-and-a-half years of operation. It was gratifying to note that the occupancy is averaging 85%. The new hospital is fulfilling its teaching and service role. The research programs of the clinical departments are being slowly developed.

Approval was received for the establishment of a second open-heart surgery unit at the University Hospital. This was based on the recommendations of a study conducted by consultants appointed by the Ministry of Health. The development of a new Family Medical Centre in association with the University Hospital was approved by the Council of the Faculty of Medicine and the London Health Sciences Co-ordinating Committee.

Victoria Hospital continues to await a decision with regard to its plans for a transfer to the Westminster Hospital site.

St. Joseph's Hospital developed a functional program involving renovations and new construction. This program was approved by the London Health Sciences Co-ordinating Committee and has been submitted to the Provincial Government.

A significant development during the year was the establishment of a Polyclinic for geriatric patients at St. Joseph's Hospital under the auspices of the Department of Medicine and the Department of Psychiatry.

During the year, an ad hoc Committee under the chairmanship of Dr. A. Kertesz of the Department of Clinical Neurological Sciences developed a revision for the Canadian Medical Association statement on *Definition of Cerebral Death*.

### Provincial and National Organizations

During the year, the Council of Ontario Faculties of Medicine was involved in major matters relating to medical manpower. As a result of meetings with the Minister of Health and his Deputy, it was agreed that the annual output of graduates from the five Ontario medical schools up to 1980 would be limited to the following - The University of Western Ontario - 100, Queen's University - 75, Ottawa University - 96, McMaster University - 100, and University of Toronto - 320. In limiting the output of the Ontario schools, concern was expressed to the Government regarding the uncontrolled licensing of immigrant physicians.

During the year, a Committee on Admissions of the Council of Ontario Faculties of Medicine developed a plan for an Ontario Medical School Application Service which will process all applications for Medicine and will be closely associated with the Ontario University Application Centre at Guelph.

A committee on Postgraduate Medical Manpower was established by the Council of Ontario Faculties of Medicine in association with the Ministry of Health. This Committee is under the chairmanship of Professor J.E. Boone of the Department of Paediatrics, and is concerned with manpower requirements and enrolment in postgraduate programs in various specialties.

The Council is also involved with discussions with the teaching hospital administrators and the Professional Association of Internes and Residents of Ontario relating to salaries for internes and residents, duty schedules, etc.

During the year Dean D. Bocking served as Chairman of the Council and Dr. C.W. Gowdey served as Secretary and academic colleague from this Faculty of Medicine. Professor R.W. Gunton was the alternate academic colleague.

### Community and Related Services

In the spring, the report of the Health Planning Task Force, *the Mustard Report*, prepared for the Ministry of Health was received. An ad hoc Committee was established to consider the recommendations and implications of the report.

During the year, Dr. D.M. Wickware was appointed Regional Co-ordinator of Forensic Services in the Department of Psychiatry. A Children's Psychiatric Consultative Service was established at the War Memorial Children's Hospital.

Several Departments of the Faculty continued to be involved in the Northern Health Services Program at Moose Factory. A significant development during the year was the application for a research program relating to a satellite communication project of the Federal Government. This program will involve the Departments of Diagnostic Radiology, Anaesthesia, and Psychiatry, as well as other Departments.

### International Affairs

The need for a Regional Investigative Unit for Tropical and Parasitic Diseases was recognized and resulted in the establishment of a unit at the University Hospital to be staffed by Drs. J.L. Whitby, C.G. Rand, and J.S. McKim.

In January of 1974, Dr. J.S. McKim and Mr. D.A.E. MacKenzie of the Office of International Education of the University visited Bangladesh under the auspices

of CIDA. Dr. McKim also visited New Delhi and discussed the present status of the affiliation with the Jawaharlal Institute of Postgraduate Medical Education and Research at Pondicherry, India.

It is noted that several medical students have taken elective periods in foreign countries. Mr. Derek Smith took his fourth year elective at JIPMER in Pondicherry.

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MUSIC HISTORY		MUSIC HISTORY		MUSIC HISTORY		MUSIC HISTORY		MUSIC HISTORY	
1	1950	2	1951	3	1952	4	1953	5	1954
6	1955	7	1956	8	1957	9	1958	10	1959
11	1960	12	1961	13	1962	14	1963	15	1964
16	1965	17	1966	18	1967	19	1968	20	1969
21	1970	22	1971	23	1972	24	1973	25	1974
26	1975	27	1976	28	1977	29	1978	30	1979
31	1980	32	1981	33	1982	34	1983	35	1984
36	1985	37	1986	38	1987	39	1988	40	1989
41	1990	42	1991	43	1992	44	1993	45	1994
46	1995	47	1996	48	1997	49	1998	50	1999

FACULTY OF MUSIC

Report of the Dean

PROFESSOR HUGH J. McLEAN

In recording another year of extraordinary growth and significant accomplishment, I would like first to express my gratitude to my predecessor, Professor Clifford von Kuster, whose vision and firmness of direction in years past have helped bring the Faculty to its present enviable position in Canada. I would also like to extend best wishes to colleagues who have gone out to give leadership to two other schools, Dr. Carl Haenselman as Director of the School of Music, University of Manitoba, and Dr. James Stark as Chairman of the Department of Music, Mount Allison University. Miss Maureen Forrester honored the Faculty as well as the University in accepting the degree of Doctor of Music, *honoris causa*, at Spring Convocation, June 1974.

Enrolment in the Faculty of Music increased by approximately 31% this year. The following tables show the distribution according to Department:

Freshmen . . . . . 201

<u>MUSIC EDUCATION</u>		<u>PERFORMANCE</u>		<u>THEORY AND COMPOSITION</u>		<u>MUSIC HISTORY</u>	
Second Year	77	Second Year	12	Second Year	9	Second Year	4
Third Year	46	Third Year	19	Third Year	8	Third Year	4
Fourth Year	<u>41</u>	Fourth Year	<u>7</u>	Fourth Year	<u>5</u>	Fourth Year	<u>2</u>
<u>Total</u>	<u>164</u>		<u>38</u>		<u>22</u>		<u>10</u>

<u>B.A. WITH HONORS MUSIC</u>		<u>B.A. WITH MUSIC OPTIONS</u>		<u>BACHELOR OF MUSICAL ARTS</u>	
Second Year	5	Second Year	1	Second Year	24
Third Year	4	Third Year	3	Third Year	26
Fourth Year	<u>3</u>	Fourth Year	<u>-</u>	Fourth Year	<u>--</u>
<u>Total</u>	<u>12</u>		<u>4</u>		<u>50</u>

Total Upper Classmen 300

Total Part-time and Special Students 38

TOTAL UNDERGRADUATE ENROLMENT 539

GRADUATE ENROLMENT

Music Education	2
Literature and Performance	10
Theory	8
Composition	1
Musicology	<u>4</u>

TOTAL GRADUATE ENROLMENT 25

TOTAL ENROLMENT 564

An additional 412 Arts and Science students were registered in one or more credit courses in Music.

APPLIED MUSIC DEPARTMENT - Dr. John S. McIntosh, Chairman

The following list indicates students' principal study:

	<u>Undergraduate</u>	<u>Graduate</u>
Piano	215	5
Voice	65	3
Organ	24	1
Violin	24	1
Viola	8	1
Violoncello	14	1
Double Bass	6	
Flute	23	
Clarinet	33	
Oboe	8	
Bassoon	7	
Trumpet	26	
Trombone	22	1
Tuba	5	
French Horn	17	
Euphonium	2	
Saxophone	5	
Percussion	<u>9</u>	<u>—</u>
	<u>513</u>	<u>13</u>

Plus: Special and part-time students:

Piano	10
Voice	4
Organ	1
Violin	2
Viola	1
Violoncello	5
Flute	1
Clarinet	2
Oboe	2
Trumpet	<u>1</u>
	<u>29</u>

The year included more recitals and concerts than ever before, the equivalent of almost one a day, every week of the academic year:

Student Recitals	55
Graduation Recitals	26
Faculty Recitals	15
Guest Artists:	
Recitals	11
Master Classes	4
Ensembles:	
Large	30
Small	13
Guest Ensembles	<u>2</u>
TOTAL	<u>156</u>

In addition to the schedule above, the Symphonic Band, the Wind Ensemble and the Faculty of Music Singers all made brief tours within the province of Ontario. Highlights of the year's performances included Hugo Distler's Dance of Death, staged and sung by the Faculty of Music Chorale at Bishop Cronyn Memorial Anglican Church under the direction of graduate assistant, Robert Cooper, the evening of opera scenes, produced by the Opera Workshop directed by Mary Lee Edmonds, and Carmina Burana by Carl Orff, conducted by Clifford Evens and combining all of the choral forces of the Faculty of Music with the London Pro Musica and the London Symphony Orchestra.

Of major importance among the year's visitors were pianist, Gyorgy Sebök, and cellist, Janos Starker, who conducted a three-day workshop at the Faculty of Music and performed a concluding recital at Alumni Hall.

Members of faculty and their advanced students continue to form the nucleus of such organizations as the London Symphony Orchestra and the Aeolian Chamber Orchestra. Professors McKellar and Dilmore conduct the International Symphony of Sarnia and Port Huron and the Owen Sound Symphony respectively.

In a full year's work, it is difficult to select a representative list of faculty programs. The following, however, were of special interest. Professors Aldrich and Bracey, Mrs. Evens and Miss Thompson took part in the first recording made by the CBC in our Recital Hall. Professors Aldrich and Skelton broadcast nationally from the Banff School of Fine Arts where both served on the faculty. CBC-TV's "Music to See" programs included performances by Professor Taussig and the Camerata, as well as by the New Chamber Winds of London. The Dean transcribed and edited newly-discovered 18th-century works for CBC Vancouver's Fall Festival of Music.

Professor Tsutsumi undertook concert tours as far afield as Russia and the Ukraine and played concertos with orchestras at home and abroad. The Eugène Ysaÿe Foundation honoured him with their medal. Professor Taussig recorded for the BBC and Israeli Radio and was also a soloist with the CBC Summer Festival Orchestra, the Toronto Symphony and the Hamilton Philharmonic. Dean McLean also appeared with the Toronto Symphony Orchestra.



Under the direction of its founder, Professor Deral Johnson, the London Pro Musica continued to give first performances in the region of important choral works, assisted by Mrs. Mary Ellen Gustafson and Professors Karin Pendle and Alvin Reimer. Professor Johnson also directed the Ontario Youth Choir last season.

In the organ world especially, the year was noteworthy: students Terry Ford and Kathleen Johnson won important international and national prizes; the Chairman played recitals in the province and assisted St. Paul's Cathedral in important diocesan celebrations and the Dean gave one of the inaugural recitals on the University of Toronto's new instrument and served as a panellist at the National Convention of the Royal Canadian College of Organists in Halifax.

The Department was disappointed to receive news that Lamar Crowson will be unable to join our piano faculty, but gratified when we were able to acquire the Canadian pianist, William Aide, to fill the vacancy. Alvin Reimer, baritone, and Elyakim Taussig, pianist, will be visiting professors in 1974-75. Several new members of other Faculty of Music departments will teach in the Applied Music Department. These include Kathryn Bailey, harpsichord, Harold Fiske, trumpet, Robert Kennedy, clarinet, George Proctor, violin, and Gerhard Wuensch, piano. Evelyn and William Bliem will join our part-time faculty as teachers of voice and piano, respectively, and Gabor Janota, returning to Canada from Hungary, will teach bassoon. Professor von Kuster, after a year's study in Paris with Marcel Ciampi, will rejoin the Department as a full-time member.

#### MUSIC EDUCATION DEPARTMENT - Dr. J. Paul Green, Chairman

The extensive revisions in the undergraduate curriculum this year met with an enthusiastic response from students, who were thus able to plan their programs with a great deal more flexibility. The Department evaluated these individual courses at the end of the year to assess their overall effects.

The 7th Annual Northeast Suzuki Festival was held at the University of Western Ontario on 8-9 June. Seven hundred children, their parents, and teachers participated in various events including the Grand Finale in Alumni Hall. This event, together with the Suzuki String Workshop last July, established London's Suzuki Project as one of the major Suzuki centres on the continent.

Members of the Department, together with other faculty, did much to further the cause of education in music, as well as to enhance the image of the Faculty, by conducting clinics and workshops and by adjudicating across the land from Shawnigan Lake, Vancouver Island to Corner Brook, Newfoundland. Professor McKellar's leadership in bringing the 1978 meeting of the International Society for Music Education to this University has been recognized in his appointment as Co-chairman of this international congress. Professor Bailey has been named National Secretary and the Dean, Chairman of the Finance Committee.

MUSIC HISTORY DEPARTMENT - Dr. Gordon K. Greene, Chairman

The attached forms provide the details of lectures given and articles and reviews published by members of the Music History Department in the past year. I am pleased to note an increase in this kind of scholarly activity over last year.

In addition to the activities reported on the forms, I feel it is important to note also the music-oriented community work of various members of the Department. Philip Downs has again served as the most important contributor to the Programs Committee of the London Symphony Orchestra. Jeffrey Stokes assumed the important duties of Vice-President of the Board of that organization as well. The London Music Scholarship Foundation has continued to receive secretarial assistance from the Department and Dr. Downs has maintained his interest in the work of that organization, continuing to serve on the Executive. Three members of the Department prepared weekly programs on music for the local FM radio, Stereo 96, this past year. Jeffrey Stokes, Philip Downs and I have made a significant contribution to the musical life of the area through this means, I feel. The programs were:

Downs With Music: Sundays at 6:10 p.m. for two hours; Philip Downs  
Nocturne: Mondays at 11:00 p.m. for one hour; Jeffrey Stokes  
Stereo Record Review: Mondays at 9:00 p.m. for one hour; Gordon  
Greene

The Joy of Singing: Wednesdays at 10:00 p.m. for one hour;  
Gordon Greene

Other faculty members participating in this radio series included Peter Clements, Robert Skelton, Damiana Bratuz and Alfred Rosé.

Several members of the Department took part in recitals that are probably being reported through the Applied Department. Jeffrey Stokes, Karin Pendle and Philip Downs have been particularly active in this manner.

Jeffrey Stokes was invited to serve as clinician at the Canadian Festival of Youth Orchestras in Banff in April, 1974. I should also report that his Master's thesis entitled The Introduction and Impact of Maazel's Metronome: 1812-1830 was accepted by the Eastman School of Music in May, 1974, thus completing the requirements for the M.A. degree in Musicology.

I am pleased to report that I served as the External Examiner for the University of St. Andrews in Scotland in the assessment of Dr. Nigel Wilkins' application for the D.Litt. degree in July, 1973. I was also nominated to membership in the Medieval Academy of America this past year.

Two new courses have been approved by Senate since my last report. "Music in Popular Culture" and "Canadian Music" will serve two special areas of student interest in the future.

THEORY AND COMPOSITION DEPARTMENT - Dr. Gerhard Wuensch, Chairman

There were eighteen composition majors in the department this year. The implementation of the new Comprehensive Musicianship Approach in the First Year was, on the whole, successful. Some problems were encountered concerning evaluation in multi-sectional courses (M25 counted nine sections this year).

The New Music Colloquium presented Salvatore Martirano and his Sal-Mar Construction, a digital computer for the instantaneous creation of musical improvisation, also the Lyric Arts Trio.

Under the auspices of the Slavic Language Department, Professor Kisielewski delivered a prepared lecture on "The State of Contemporary Music in Poland" to the department in November, 1973.

Compositions by student composers were performed throughout the year by a chamber music group formed by Ronald Harris, as well as during the Colloquium.

Several of our student composers attended the Symposium for Student Composers at the University of Toronto, where their works found high acclaim.

Performances of works by faculty members at the University of Western Ontario campus included the following works by Arsenio Giron:

Confluence (violoncello solo) performed October 14, 1973

Islands (percussion solo) performed February 4, 1974

Group Three (piano solo) performed January 27, 1974

Soundings (brass choir) performed February, 1974

Sun Stars and Eternity (mixed choir with flute, clarinet, horn, percussion and piano) performed March 13, 1974

Professor Giron also received a commission from the Ontario Arts Council for a violoncello and piano work, to be premiered during the Algoma Arts Festival in September, 1974.

The following works by Gerhard Wuensch were presented in London during the past academic year:

Ricercare for Eight Horns and Organ

Sextet for Horns, op. 33

His piano concerto was broadcast by CBC Vancouver on 2 June, with Robin Wood, soloist; the work was also broadcast in Toronto and Ottawa.

Publications by members of the department:

Arsenio Giron:

Party Time (trombone and percussion) Brass Press, Nashville, TN.

Towers (trumpet and piano) Brass Press, Nashville, TN.

Soundings (brass choir) Brass Press, Nashville, TN.

Gerhard Wuensch:

Scherzo for piano in "Horizons" Book II, pg.16-18

Berceuse for piano in "Western Ontario Conservatory of Music"

Graded Examination Repertoire. Waterloo Music Co., 1973.  
pg.24-25

Polka for piano in "Western Ontario Conservatory of Music"

Graded Examination Repertoire. Waterloo Music Co., 1973.  
pg.44-47

Music for Seven Brass, op.27, score and parts. Los Angeles Brass  
Society Series. Western International Music, Inc. AV191, Los  
Angeles, 1974. 70pg.

His Mini Suite No. 2 for free bass accordion was recorded by Alain  
Abbot of Paris (A.F.A. mono-stereo 20 863 Side B, band 4)

Dr. Wuensch also served as editor for the new Canadian series HORIZONS,  
the first two volumes of which appeared in 1973. He was also elected  
Associate Composer of the Canadian Music Centre and member of the Canadian  
League of Composers.

## Report of the Dean

PROFESSOR M. JOSEPHINE FLAHERTY

During the academic year 1973-74, Dr. Douglas Bocking held the office of Acting Vice-President (Health Sciences). Dr. Bocking's support and encouragement of activities within the Faculty of Nursing are appreciated.

The Government of Ontario lifted the freeze on building plans for the Health Sciences for The University of Western Ontario. The new nursing building is well under way and both faculty and students are looking forward to moving into the new quarters.

Education

The number of students in both undergraduate programs continues to increase. The number of applicants for the basic program is very large. This year, there were approximately nine hundred applicants and only sixty could be admitted. Lack of staff and most particularly, availability of clinical resources continue to be the major deterrents to the admission of larger numbers of students. It is believed that this will continue to be a major problem until regional planning for the use of clinical resources is undertaken in London. The Faculty is beginning to examine the curriculum of the basic program and looks forward to progress in this appraisal during the 1974-75 academic year.

The nursing content in the program for Registered Nurses has been reorganized in order to meet changing health care needs in Ontario and Canada. These changes have permitted an increase in clinical practice for students in the program. Faculty and students will move into the second year of the new modular curriculum plan.

Interest and enrolment in graduate programs are increasing. The number of part-time students continues to be large. Faculty have begun an appraisal and modification of the graduate programs in order to meet changing needs. The first graduate course in advanced clinical nursing will be offered during the 1974-75 academic year. Beginning with the 1974-75 academic year, all applicants to the Master's program will be required to have a background in community health nursing. This regulation is in keeping with the increased trend toward community centred health care. The impact of the transfer of nursing education to the system of Colleges of Applied Arts and Technology in Ontario is being studied by the Faculty and appropriate modifications in the programs will be made.

The Faculties of Nursing and Medicine are continuing to cooperate with Medical Services, National Department of Health and Welfare, in a program to prepare nurses to work in the North. During the 1973-74 academic year, ten students were enrolled in this program. Mrs. Carol Anonsen, together with the Medical Faculty, arranged to have a film made on Examination of a Newborn Infant. This film received an Award of Merit at the Instructional Media Festival in Toronto. This film will be of special interest, not only to nurses in the North, but to nurses throughout the country.

The Nursing Faculty continues to be interested in the expanded role of the nurse and in the development of primary care nursing in this province. The Committee of

Representatives from the Faculties of Medicine and Nursing continues to meet to discuss programs to prepare nurses in an expanded role. Miss Barbara Brown has been functioning as a primary care nurse in the Southwest Middlesex Health Centre. The Faculty of Nursing is cooperating with the Family Medical Centres in the Development of an inservice education program for nurses in the family medical centres. A committee of the nursing faculty has been meeting regularly to discuss and define the role of the Primary Care Nurse. A position statement from this committee will be forthcoming in the fall of 1974.

### Research

Mrs. Vivian Wood has published teaching notes for her casebook in Nursing Education. The latter went into second printing in February 1974. Miss Christina Gow is completing a project entitled, "A Survey to Determine the Perceptions of Death and Dying Among Community Health Nurses and Hospital Nurses at the Staff Level". This project, on which Miss Gow worked cooperatively with Professor J. I. Williams, was funded by a National Health Grant from December 1972 to June 30, 1974.

The Faculty of Nursing was co-sponsor with the Faculties of Nursing at the University of Toronto and McMaster University of a National Conference on Nursing Research held in Toronto in the spring of 1974. Dr. Amy Griffin and Miss Sheila Creeggan were members of the planning committee for that conference. Miss Christina Gow and Miss Josephine Flaherty were program participants in that conference. Several members of the Faculty of Nursing attended the conference.

Miss Josephine Flaherty is Chairman of a National Committee on Nursing Research in Canada and a member of the Committee on Nursing Research of the Registered Nurses' Association of Ontario. Miss Sheila Creeggan is also a member of the Ontario committee.

Several other faculty members are in the process of developing research proposals. Since faculty are so heavily engaged in teaching, they have little opportunity to engage in research. It is hoped that the amount of research being carried on in the faculty will increase.

### Faculty

Mrs. Wendy Gerhard continues as President of the Registered Nurses' Association of Ontario and a member of the Board of Directors of the Canadian Nurses' Association. She is also President of the Registered Nurses' Association Foundation.

Dr. Amy Griffin is a member of the Council of the College of Nurses of Ontario. She conducted a workshop in research for nursing at the request of the Middlesex-London District Health Unit. Dr. Griffin was appointed to the Ontario Advisory Council on Senior Citizens and is Chairman of the Committee on Education and Recreation.

Miss Sheila Creeggan is a member of the Task Force on the Role of the Registered Nurses' Association of Ontario in Education of Nurses.

Miss Catherine Aikin visited New Zealand, Australia and Great Britain during her Study Leave this past year. She had the opportunity to talk with many individuals involved in health services in a variety of settings such as nursing associations, registering authorities, departments of health, universities, colleges, hospitals, community centres and Royal Flying Doctor Service. Miss Aikin is a Charter Member of the Board of Directors of the Registered Nurses' Association Foundation.

Mrs. Vivian Wood has conducted six workshops across Canada on Measurement and Evaluation.

Miss Jessie Mantle is a member and Secretary of the Provincial Review Board of the Ontario Council of Health. This Board reviews all new health programs to be mounted by the Colleges of Applied Arts and Technology. Miss Mantle has conducted several workshops for various health agencies. She has been a member of the Nursing Management Committee of the St. Joseph's Hospital School of Nursing. Miss Mantle conducted a course on "Nursing Progress in Direct Patient Care" in the spring of 1973, through the Extensions Department of The University of Western Ontario.

Miss Jean Forrest conducted workshops at the Elgin-St. Thomas, Lambton and Kent-Chatham Health Units.

Miss Louise Brown gave leadership in the organization of the Alumni Conference in May of 1974. The conference was entitled, "Today's Youth: Problems of Coping and Helping". She was on sabbatical leave during the 1973-74 academic year and took courses in the Department of Epidemiology. Miss Brown is on the Credentials Committee in Public Health Nursing for the Province of Ontario.

Miss Christina Gow is a member of the Council of the Ontario Region of the Canadian Association of University Schools of Nursing.

Mrs. Lorraine Melchior was a recipient of a scholarship from the Canadian Nurses' Foundation. This will enable her to pursue graduate studies full time during the 1974-75 academic year.

Miss Dorothy Hibbert is a member of Council of the Ontario Region of the Canadian Association of University Schools of Nursing. In the fall of 1973, she was on the Advisory Committee of the Revision of the Nursing Unit Administration Program. Miss Hibbert is Treasurer of the North Middlesex Chapter of the Registered Nurses' Association of Ontario. She conducted a three-day study session with the Extension Course in Hospital Organization and Management held in Winnipeg in June 1974.

Mrs. Hattie Shea is on the Nursing Advisory Committee of the Lambton College of Applied Arts and Technology School of Nursing.

Miss Janice Given has been a member of the Nursing Advisory Committee of the Fanshawe College of Applied Arts and Technology School of Nursing.

Miss Carolyn Roberts and Mrs. Lorraine Melchior assisted in planning and carrying out the Inservice Education program to prepare the staff of the Middlesex-London District Health Unit for a different type of screening assessment of children. Miss Roberts is a member of the Committee for the Regional Continuing Education of Nurses - The Inservice Group.

Miss Barbara Brown is a member of the Registered Nurses' Association of Ontario Working Party on Nurse Mid-Wifery and the Expanded Role of the Nurse. She has been a member of a Health and Welfare Canada Working Party to revise Recommended Standards for Maternity and Newborn Care and a Health and Welfare Canada Committee to Explore Research Needs in Maternal Health. She participated in the Continuing Education Program for Family Physicians in Goderich and Ingersoll and is a member of a committee to Develop an Inservice and Continuing Education Program for Family Practice Nurses in Family Medical Centres in London. Miss Brown is a member of the Parent Committee and Nursing Sub-Committee studying Primary Health Care in London. She was a consultant to the maternity nursing staff of the South Waterloo Memorial Hospital re development of a program for teaching Family Planning to post-partum patients.

Miss Josephine Flaherty is a member of the Nursing Advisory Committee and a member of the Health and Welfare Advisory Committee of Fanshawe College of Applied Arts and Technology. She continues to work with the Canadian Nurses' Association Testing Service on the Development of French Language Tests and is a member of the Examination Review Committee of the College of Nurses of Ontario. In the fall of 1973, Miss Flaherty addressed the Centennial Celebration Conference, Massachusetts General Hospital School of Nursing, Boston, Mass., on "Impact of Social Forces on Nursing in Canada and Nursing's Effect on Society." She presented a Theoretical Paper for the 50th Year Divisional Celebration Conference on Learning, State University of New York at Buffalo, entitled "Towards the Assessment of Adult Learning Ability." She presented a paper for McGill University Fall Colloquium on "The Politics of Power: Nurses and Patients." Miss Flaherty conducted a Workshop at the University of Manitoba, Winnipeg, on "Staff Development Personnel as Change Agents." She was guest speaker at the 4th Annual Nursing Alumni Conference held in May 1974, at The University of Western Ontario.

During the 1973-74 academic year, seven members of the Faculty of Nursing practised in the community, providing free service to London citizens. They were responsible for a total of 40 families on a year-round basis. Also, community nursing care was provided to the local citizens through our student education programs. Student assignments are guided closely by faculty. The faculty negotiate with medical group practices and with the Chief Social Worker in the Social Service at City Hall to arrange these assignments. There were 423 families receiving this assistance last year, many of them receiving weekly visits. If this service were not provided by this Faculty, the Middlesex-London District Health Unit would have a much heavier caseload.



Other members of Faculty attended conferences and professional meetings and participated actively in all of these. Many faculty members gave assistance on a continuing basis to health agencies in London and in Southwestern Ontario.

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 the planning and teaching of courses and in the arrangement of clinical experiences is appreciated.

FACULTY OF PHYSICAL EDUCATION

Report of the Dean

PROFESSOR EARLE F. ZEIGLER

This annual report is divided into five parts. This corresponds to the five budgetary sub-units of the Faculty of Physical Education. (The first part was prepared in the Office of the Dean and represents both an introduction and a summary. The other four parts were written by the four program chairmen - for the Undergraduate Program, the Graduate Study and Research Program, the Physical Recreation & Intramurals Program, and the Intercollegiate Athletics Program.)

This statement and the individual program reports describe briefly and concisely that which has occurred during the Faculty of Physical Education's second year of operation. Because of this integrated entity, the faculty, staff, and students have had an opportunity to create a university situation in physical education, sport, and dance that has rarely been duplicated elsewhere. This is so because we are being encouraged to move toward a level of excellence within an educational environment where intellectual achievement is valued highly; where fine professional preparation is considered most important; and where life enrichment through active participation is a major, long range goal. Everyone working in this Faculty feels that "total fitness" can be achieved only through the inclusion of physical recreation and sport in one's life style.

With this in mind, those in the Faculty are working toward the establishment of a model program in which a concept of "balanced excellence" will prevail within a reasonably short period of time. By this is meant a total program in which the various divisions are uniformly excellent and not "out of balance." Thus, whether one is assessing the quality of undergraduate instruction, the opportunities for physical recreation available,

the range of some thirty-eight varsity sports (22 for men and 16 for women), or the quality of the instructional classes or research effort within the graduate program, he will find men and women working cooperatively with students in an effort to provide the finest type of learning situations through the media of sport, dance, play, and exercise. Further, we are pleased that there is an opportunity for all members of the University community to join this effort in some capacity in at least one of the various programs operating within the Faculty.

The reader will note that certain sub-headings will reoccur throughout each of the program reports which follow (to the extent that it has been possible to follow this recommended format. They are: 1) Student Enrolment, 2) Curriculum, 3) Goals Achieved, 4) New Goals Proposed, and 5) Unique Problems. Having read each of these reports carefully, and based on observation and involvement to the extent possible during the past year, the following summarizing statements are made:

The Undergraduate Program. This Program is moving ahead with certain additions and changes being made each year. On the other hand this must be considered a transition period, and there is much work yet to be done. Aims and objectives need to be spelled out more carefully in keeping with ideas approved by the Faculty Council in the spring of 1973. Progress is being made toward the development of a core program for all of a disciplinary nature, and the next step would seem to be one in which upper-year options are planned according to the knowledge, competencies, and skills that are needed for each approach. In addition to the fundamental disciplinary thrust of the present program, there are to be added an option for the preliminary preparation of teachers and/or coaches (presumably in cooperation with the Faculty of Education) and an option in which the student specializes in the theory and practice of human motor performance in a particular sport or physical activity (e.g., dance, gymnastics, aquatics).

Enrolment in the Program has increased sharply, mainly due to the addition of the General B.A. Program (three-year) and an increase of several hundred students in the basic Physical Education 20 course of the first year. Additionally, the limit for enrolment in the second year of the Honors Program has been increased to 125 (from 100).

The Graduate Study and Research Program. Organizationally this Program showed steady improvement and strengthening due to the efforts of the Chairman and the work of the various committees functioning effectively. Steps were taken to build the enrolment figure for 1974-75 to (at least) the desired figure of twenty-five full-time students in the Master's program. A new specialization in the art and science of coaching was approved for implementation in the 1974-75 academic year. After three years of intensive meetings and planning, on June 7, 1974, the Council of Universities approved the A.C.A.P. Report recommending that Western be permitted to proceed to the appraisal stage with O.C.G.S. for the inauguration of a Ph.D. Program in Physical Education. One phase of the program is to be identified as the Exercise Studies Option, while the second phase - to be developed cooperatively with the University of Windsor - will be known as the Social Science of Sport Option. It is anticipated that both options will be introduced in the academic year of 1975-76.

The Physical Recreation/Intramurals Program. Now that this Program has been officially housed in the new University Community Centre, it should continue to develop in "leaps and bounds" in the years immediately ahead. This Program is viewed as being most important within the framework of the Faculty's offerings to the University Community for a number of reasons. Student support has been excellent, as has been that of the faculty members and administration of the University. A large budgetary increase is planned for the 1974-75 academic year, and it is important to note that approximately forty percent of this amount (\$60,000) is paid back to students for part-time

assistance in carrying out the many activities of the varied Program. Careful and enthusiastic leadership is evident as the Program's services are steadily increased.

The Intercollegiate Athletics Program. In a great many ways, the 1973-74 year was a highly successful one for this Program despite the fact that very few team championships were won. Viewed from the standpoint of teams' final placement in overall men's and women's conference standings, Western would undoubtedly rank No. 2 out of 16 teams (and possibly No.1) behind Toronto. Winning is important, of course, but in the final analysis might almost be regarded as an "incidental factor" that develops if many other phases of the Program are "moving toward excellence." The coaching leadership being provided is generally excellent, although there is always room for improvement because of the large number of teams (sports) being fielded. Money to operate such a large program is limited, and every effort is being made to "make ends meet" as best possible. The budget was actually cut back a bit in 1973-74, but it is planned to increase it by about ten percent for 1974-75. Every effort is being made as well to provide "equal opportunity" for the women's phase of the Program. The transition has now been completed from the former Director of Athletics (J.P.Metras) to the present Athletics Chairman (R.K.Barney) - and also from the former Business Manager (June Burr) to a new one (Terry Haggerty). We are pleased that Ms. Burr will be continuing as Building Manager for the new J. Gordon Thompson Recreation Building.

The Office of the Dean. The second year of the new Faculty can be characterized in almost exactly the same way as the first one - exciting and exhausting! On the other hand, I feel certain that the four people involved - the Dean, the Assistant Dean, the Administrative Officer, and the Secretary - would all quickly add that the 1973-74 academic year has been

greatly rewarding to them as well. The "show is on the road," so to speak, and the occasional chaotic moments of the 1972-73 experience have not re-occurred. It is difficult for the Dean and the Assistant Dean because their administrative involvements are nominally only half-time, but the usual week brings heavier demands than those allotments. The Administrative Officer, especially, has been an enormous help to the two administrators, and appreciation should be expressed to the Secretary as well. The prevailing "organizational democracy" that exists in the Faculty is often trying, but in the final analysis it should pay handsome dividends. It's a "good group," and with a steadily improving effort by most, the goal of excellence is certainly possible.

## Undergraduate Program

P. Stothart, Chairman

The second year in the life of the Faculty of Physical Education has passed. With one year "under its belt," the Faculty, this year, was able to begin forging ahead with several new changes and developments. The Undergraduate Program year was one of increased enrolments, new courses and a new addition to the program.

Programs and Student Enrolment

University Senate approved the application for the new three-year General B.A. program in Physical Education which includes a total of 15 courses (of which between 5 and 7 full courses must be taken in the Faculty) including PE 20 and PE 251 (required). Table I includes the enrolment data for Honors students over the last 3 years as well as this year's General student enrolment. Honors enrolment was virtually the same; however, the introduction of the General Program inserted 95 new students into the Faculty.

TABLE I - Honors and General Students Enrolled in PE

<u>Honors</u>	<u>1971-72</u>	<u>1972-73</u>	<u>1973-4</u>
Year II	107	96	95
Year III	84	77	78
Year IV	64	75	69
TOTAL	<u>255</u>	<u>248</u>	<u>242</u>
<u>General</u>			
Year II	00	00	58
Year III	00	00	<u>37</u>
TOTAL			95

This year's greatest enrolment surprise came with the increase in PE 20 registrants which increased from 399 to 585 (a jump of about 50% in one year).

TABLE II - Students Enrolled in Freshman and General Courses

	<u>1971-72</u>	<u>1972-73</u>	<u>1973-74</u>
PE 20	420	399	<sup>a</sup> 585
PE 31	not offered	95	<sup>b</sup> discontinued
PE 251	107	96	195

a

note: of the 585 enrolled in PE 20, 356 declared for Physical Education and hence were officially classified as belonging in the faculty

b

note: this year PE 31 was dropped permanently from the curriculum and General BA students were required to take PE 251.

Last year there were 266.5 full class, non-honors enrollees in Physical Education classes. This year the non-honors enrollees have jumped to approximately 565 (made up of 285 General BA enrollees and 280 non Physical Education enrollees). With 356 freshman students, 95 General upperclassmen and 242 Honors upperclassmen, we have 693 undergraduate students in the Faculty of Physical Education this year.

Undergraduate course offerings totalled 19 1/2 full honors courses (made up of 13 full courses and 13 half courses). A total of 30.5 lecture sections and 45 laboratory sections were taught this year ( an increase of 28% in sections taught). PE 20 was taught with 7 lecture sections and 23 lab sections. Faculty support for 1973-74 was 32 full time and 8 part time faculty.

#### New Curriculum

Four new half courses were taught for the first time this year. These were PE 256, Sport and Physical Education Philosophy; PE 364, Principles of Athletic Injuries; PE 371, Beginning Dance Composition and Production; and



PE 388, The Psychology of Sport. All of these courses represent important and significant additions to the undergraduate curriculum in Physical Education.

### Goals Achieved

In addition to the great strides being made in the additions to curriculum, this year a new teaching format for PE 20 (a switch from two lecture hours to one lecture hour and one seminar hour) and a whole new "problems" approach to the subject matter have been developed (for implementation in 1974-75) in an effort to encourage greater student interest and involvement. Also for 1974-75, four new half-courses have been approved by University Senate: PE 372, Analysis and Theory of Modern Educational Dance; PE 471, Intermediate Dance Composition and Production; and PE 491A and 492B, both Independent Study & Field Experience in Physical Education. The activities core of one course in dance, aquatics, team games, and individual activities will be introduced in 1974-75.

### Proposed Goals

Goals proposed for this coming year include many of the same suggested last year but which could not be achieved this past year. They include:

- (a) Proposed and approved for 1975-76 is a core of theory courses which, besides PE 20, PE 251, PE 351, and PE 451, includes six (6) half courses in: 1) Historical-Philosophical foundations, 2) Social Foundations, 3) Psychological Foundations, 4) Physiology of Exercise, 5) Biomechanics and 6) Anatomy. This core will be required of all Honors Physical Education students. All General Physical Education students will be required to take two of 1, 2 and 3 and two of 4, 5 and 6.
- (b) Faculty Council has approved development of the streaming concept. Four streams will be developed: 1) Disciplinary, 2) Coaching-Teaching, 3) Motor Performance, and 4) General. Each stream will have a co-ordinator and Honors students will be counselled to enter one stream or another.
- (c) The development of a new course PE 21, An Introduction to Activities, to be offered to freshmen students in Physical Education.

Unique Problems

The question of the conflict between increasing numbers of students and quality of instruction(compounded by the financial crisis) will have to be addressed more fully this coming year. Without support for more facilities, more faculty and more supplies a serious cutback in program offerings may be necessitated. The challenges for the future years are obvious to all.

## Graduate Study and Research Program

Frank J. Hayden, Chairman

### Enrolment and Courses

Sixteen full-time M.A. students were registered for the 1973-74 school year. An additional seven part-time students were enrolled in Fall and Winter classes. Twelve students were enrolled in the 1973 summer school graduate course.

Eight one-term courses were offered in the Fall term and five in the Winter term. In addition nine students undertook units of individual study and research.

### Degrees Awarded

Six M.A. degrees in Physical Education were awarded at the Fall convocation and five in the Spring.

### Graduate Assistantships

Fourteen students were awarded assistantships throughout the year for a total of \$22,800.00.

### Faculty

Seventeen professors held Graduate Faculty appointments. One, Professor Bert Carron, was a new appointment, coming to us from the University of Saskatchewan.

The graduate faculty was enhanced by the presence of two visiting professors who shared the teaching of the 1973 summer graduate course. Professor Harold Harris of Lampeter, England, taught a three week course on 'Sports in Greece and Rome'. Professor Brent Rushall of Dalhousie University presented a three week course on 'Applied Psychology of Sport and Physical Activity'.

#### Goals Achieved

Policy reviews and revisions were completed on many aspects of the program including: curriculum, admissions, thesis, non-thesis, comprehensive exams and laboratory administration.

Enrolment has been doubled for 1974-75.

Follow-up on incomplete degrees were completed on all outstanding students.

A new specialization in coaching was designed and approved.

C.O.U. approval was received to apply for a Ph.D. program in Exercise Physiology and to explore the possibility of a joint Ph.D. program with Windsor in the Social Science areas of sport.

#### New Goals Proposed

We will continue to seek increased enrolment through active recruitment.

Target date for implementing the Ph.D. program is September 1975.

Increased research and publication by faculty is an important priority.

Opportunities for specialization at the M.A. level in programs for the handicapped and in cardiac rehabilitation will be developed (per: C.O.U. report).

Refinement of the coaching specialization will be undertaken on the basis of the 1974-75 experience.

### Unique Problems

Limited financial support for students makes recruitment difficult.

Late cancellations by new students restricts enrolment.

An additional senior faculty person is required in both Exercise Physiology (in which we are turning away A students) and Social Science of Sport. Laboratory space and facilities are also required for the former.

General support is needed for expansion and improvement of all laboratory facilities.

Research and publication of faculty appears to be restricted, at least in part, by teaching and administrative commitments.

## Physical Recreation and Intramurals Program

R. E. Zeisner, Chairman

The six areas of the program will be covered individually. They are as follows:

- |                          |  |
|--------------------------|--|
| a) Free Time Recreation  | d) Sports Clubs                        |
| b) Instructional Classes | e) Physical Fitness Appraisal/Guidance |
| c) Competitive Sports    | f) Exercise Rehabilitation             |

### A. Free Time Recreation

Between 700 and 1000 persons use the recreational facilities of the University Community Centre daily. The majority are involved in unstructured activities. For example, on an average day in U.C.C. roughly 300 persons swim and over 200 play squash, handball or paddleball. Others play basketball, badminton and other gymnasium games, or use the exercise room. To a lesser degree Thames Hall, Alumni Hall, London Teachers' College, Althouse College of Education, and various outdoor facilities are used by persons seeking informal recreational activities.

#### Goals Achieved

In its first full year of operation, the Staff of the U.C.C. recreational facilities has established a reasonably simple and efficient system to provide for the needs of its clientele. The delicate balance between allowing people to "do their own thing" and providing the necessary control is being maintained as well as can be expected.

#### Goals Proposed

1) It has been decided to continue to provide paddleball and badminton racquets for loan to users. This is considered an important service which must receive the necessary budgetary support.

2) To create a more efficient inventory system.

3) To establish an improved system of maintenance for the many pieces

4) To continue to develop a Weight Training area in Thames Hall.

### Unique Problems

1) There is increasing difficulty in acquiring time in Thames Hall, Alumni Hall, London Teachers' College and Althouse College of Education to operate Sports Clubs and competitive activities. As more of these types of activities are held in U.C.C., less time is available for casual usage.

B. Instructional Classes - Professors Funston, Stewart (Aquatics), Peterson (Dance)

Enrolment:

<u>Activity</u>	<u>Registrations</u>
Archery	9
Badminton	12
Dance (creative & social)	231
Golf	20
Figure Skating	30
Paddleball	10
Squash	60
Tennis	100
Aquatics - Pre-beginners	81
Beginners	160
Junior Red Cross	117
Intermediate Red Cross	45
Senior Red Cross	32
Leader Patrol Award	17
Distinction Award	6
Bronze Medallion	46
Springboard Diving	24
Skin Diving	11
Parents & Tots	75
	<u>1086</u>

### Goals Achieved

1) The introduction of a small fee which offset seventy-five percent of the cost of instruction and which drastically reduced attrition.

2) The increase in registrations from 650 in 1972-73 to almost 1100 in 1973-74.

3) Particular mention should be made of the outstanding programs of instruction which have been developed in dance and aquatics.

Goals Proposed

1) To expand this area to meet the increasing demand for instruction.

Unique Problems

1) The recruitment, selection, scheduling and supervision of the many part-time instructors is a very good example of complex personnel administration.

## C. Competitive Sports - Professors Funston and Zeisner

Again this year the most noteworthy development was the continued growth in the numbers of students involved in "coed" or mixed group sports. Participation increased by 50% over last year. In women's sports there was a small increase, primarily accounted for by volleyball. Similarly, in men's sports a small net increase resulted. Participation in touch football, floor hockey and soccer increased, while the number of hockey teams had to be cut back because of insufficient ice time.

The following table shows activities and participants during the 1973-74 Fall and Winter terms:

<u>Activity</u>	<u>Player Competitions</u>		
	<u>Men</u>	<u>Women</u>	<u>Co-ed</u>
Touch Football	180		132
Softball	96	48	94
Golf	111	1	
Football - tackle, powderpuff	220	65	
Soccer - 11 man	260		
Track & Field	43		
Tennis - Singles, Doubles, Mixed	57	15	14
Cross Country	49		
Volleyball	190	304	122
Basketball	560	194	161
Bowling - 5 and 10 pin	97	42	14
Table Tennis - Singles & Doubles	28	14	
Hockey	800		
Squash - League & Singles	78		
Waterpolo	96		69
Badminton - Singles, Doubles, Mixed	87	69	58
Swimming & Diving	42		
Handball - Singles, Doubles	38		
Powerlifting	13		
Wrestling	34		
Lacrosse	60		
Archery	4	8	
Paddleball - Singles, Doubles, Mixed	80	7	48
Soccer - Indoor 5-a-side	240		
Floor Hockey	440		
Broomball			63



### Achievements

1) The table above shows that the program offers a wide variety of activities to suit a wide variety of needs and interests.

2) A co-ed competitive sports program which is considered to be one of the best among Canadian Universities.

### New Goals Proposed

1) To provide improved training and supervision of officials, especially in basketball, tackle football and floor hockey.

2) To reduce the number of teams and individuals who drop out of the program. It is intended that more levels be provided to equalize competition.

### Unique Problems

The lack of playing field space continues to be a major problem in the summer and fall.

### D. Sports Clubs - Professor Zeisner

All clubs affiliated with the program are listed below, with number of members:

Aikido Club	18	S.C.U.B.A. Club	60
Archery Club	12	Shooting Club	36
Cricket Club	20	Ski Club	450
Curling Club	300	Skydiving Club	100
Fencing Club	35	Synchronized Swim Club	12
Judo Club	45	Table Tennis Club	30
Karate Club	88	Team Handball Club	15
		Women's Waterpolo Club	22

### Goals Achieved

1) New Clubs in Karate, Shooting, Synchronized Swimming and Team Handball were organized this year.

### New Goals Proposed

1) To continue to attempt to organize Badminton, Orienteering and Weight Lifting Clubs.

E. Physical Fitness Appraisal and Guidance - Professors Hill and Bennett

This service, in its second year as in its first, operated at full capacity and was used by 70 persons. All necessary equipment was purchased and received.

F. Exercise Rehabilitation - Professors Wise and Gonser

The Sports Injury Treatment Centre is under construction both physically and organizationally. Although limited in terms of time and secretarial assistance, Professors Wise and Gonser provided outstanding service to a large number of persons of the University community. Physiotherapy treatment was provided for 410 patients and exercise therapy treatment was administered to about 70 patients.

Construction in the Centre will be completed in a few weeks. When the internal organization has been formalized, the Faculty will have added a unit of which we can be extremely proud.

## Intercollegiate Athletics Program

R. K. Barney, Chairman

### Introduction

At the completion of the second year of operation as an integral unit of the Faculty of Physical Education, the Intercollegiate Athletics Program has made consistent progress toward realization of its defined goal of offering opportunities to college men and women for high level participation in competitive sport within a framework of highly qualified coaching and careful administration.

### Programs

Western's intercollegiate athletic program is one of the most comprehensive of such offerings in North America. Thirty-eight intercollegiate sports - twenty-two for men and sixteen for women - were actively in pursuit of membership and championship competitions within the Ontario Universities Athletic Association and the Ontario Women's Intercollegiate Athletic Association. Qualifying teams progressed to participation in Canadian Intercollegiate Athletic Union or Canadian Women's Intercollegiate Athletic Union championships. Approximately 460 men were engaged in the twenty-two men's sports, while 177 women took part in the sixteen women's sports.

### Goals Achieved

The 1973-74 schedule of program activities was based upon a budget model of \$255,000 - a decrease of approximately \$15,000 from the preceding year. Certain "belt-tightening" procedures were adopted by all program personnel in an effort to ensure that budget projections would be met. This goal was realized, although not without visible shortcomings within the Program.

It might be noted that the ratio of participation in intercollegiate athletics favors men over women by 2½ to 1, while dollar expenditures reflect a 3½ to 1 weighting in the men's favor. Elimination of this disparity is a primary short range goal which is almost within our grasp.

It would certainly be an oversight to ignore the conference and national championship results achieved by both teams and individuals. Among women's team sports, recognition must go to special achievement in volleyball and basketball, both of which won OWIAA championships and advanced to the Finals round in the Canadian Women's Intercollegiate Athletic Union. Women's ice hockey advanced to runner-up position in the Ontario Women's Intercollegiate

Athletic championships. In men's sports, Western continued to be regarded as the dominant force in Canadian intercollegiate rowing by winning the OUAA championship. The margin between championship and runner-up status was razor thin in eight other men's sports. In OUAA competition, second place finishes were achieved by rapidly improving teams in ice hockey, water polo and squash, along with rugby, wrestling, tennis, indoor track and field and curling. Indeed, Western can be said to have been competitive in every way in all sports except one (basketball). One fact is evident. Western's record of intercollegiate athletic participation across Canada during the 1973-74 year continued to be viewed as excellent and reaped credit and prestige for the University.

#### New Goals

- a. To continue to carry on operation of the Program within budgetary constraints imposed.
- b. To implement in as smooth a manner as possible the transition of personnel in the Athletic Business Manager's position.
- c. To implement newly planned programmes in the J. Gordon Thompson Recreation and Athletics building.
- d. To bring about parity in budgetary expenditure between men's and women's sports.

#### Problems

The major problem facing intercollegiate athletics at Western is one which faces universities elsewhere in Canada - finance. Inflationary economic circumstances have made themselves felt in educational athletics as they have in other aspects of life. The Faculty of Physical Education is grateful to the Board of Governors of the University for approving the increased student fee for Physical Recreation/Intramurals and Intercollegiate Athletics. This increase should, if handled carefully, meet program needs in the immediate future. Beyond that, troubles can be anticipated if inflationary conditions continue. A Committee has been struck for the purpose of scrutinizing future growth and development and will carefully consider such conditions during their deliberations and in the formulation of any recommendations.

Again, the Chairman must iterate the problem of faculty salaries in the scheme of intercollegiate athletic financing. The portion of time a faculty member devotes to athletics is currently subsidized by the Intercollegiate Athletics Program budget and is the major component in the total budget package (about \$162,000 in a budget of \$282,000). In establishing the Faculty of Physical Education in accord with principles set forth in the Dunn Report, the University has indicated acceptance of the concept that intercollegiate athletics is a valuable and bona fide educational experience. It must, therefore, accept a responsibility to resolve the faculty salaries dilemma or bow to the future inevitability of allowing that item to consume the budget to a degree that would deprive the University of significant student and alumni support as well as diminish the national and domestic image presently enjoyed in the realm of intercollegiate sports participation.

#### Conclusion

Despite some hardships, the Program is in a state of good health. It is sincerely believed by the Chairman that the overall coaching component is one that simply cannot be matched anywhere in Canada, and perhaps not even in North America. Western's coaches are involved in scholarly production of theoretical and practical research for the improvement of sport skills. They assume active leadership roles in Provincial and National sports' governing bodies and have, in some instances, assumed leadership roles for Canada as national coaches for individuals and/or teams.

At the same time, Western has consistently remained at the forefront of those Canadian universities who have and are continuing to preserve the high standards and ideals of amateur sport, and in negating forces of economic commercialism which have been embraced by some institutions in Canada. Intercollegiate athletics here at Western are financed in large measure by the student body and, hence, they have entrusted the University to provide the very best in terms of both opportunity and leadership. The Faculty of Physical Education, as the University's representative in this effort, preserves such custodianship and strives to make it the foremost goal of its program.

## HONORS AND AWARDS

## NATIONAL AND INTERNATIONAL OFFICES HELD &amp; AFFILIATIONS

1973-74

Faculty of Physical Education

- Barney, Robert K. Convention Manager, North American Society of Sport History, London, Ontario, 1974.
- Cunningham, David A. Member-at-large, Midwest American College of Sports Medicine, 1972-74.
- Leyshon, Glynn President, Canadian Colleges Wrestling Coaches Association, 1973.
- Semotiuk, Darwin Vice-Chairman, History of Sport and Physical Activity Committee, CAHPER, 1973-75.
- Zeigler, Earle F. Invited to present R. Tait McKenzie Memorial Address at The Mill of Kintail, Almonte, Ontario, at the Annual Conference of the Canadian Association for Health, Physical Education and Recreation, May 29, 1974.
- President-elect, The International Philosophic Society for the Study of Sport.
- Vice-Chairman, Philosophy of Sport and Physical Activity Committee, Canadian Association for HPER, 1973-74.

FACULTY OF SCIENCE

Report of the Acting Dean

PROFESSOR R.G.E. MURRAY

The Faculty of Science, despite dire predictions, has maintained its undergraduate enrollment with a modest increase. The same cannot be said for graduate enrollments in the constituent departments; seven showed a decrease, two showed no change and only one showed an increase. The most serious decrease in graduate enrollments, it might be noted, was in the Department of Chemistry which shows a distinct upsurge in undergraduate enrollment and in post-doctoral activities. Parallel effects are becoming evident in other departments. The result of these shifts in the balance was a decrease in the budgetary allocation to the Faculty despite the maintained undergraduate enrollments and increased teaching, especially in the early undergraduate years; budgetary easement for 1974-75 was sought and obtained. An analysis of the facilities and assessment of the student populations in upper years, later supported by the preregistration data for 1974-75, reinforced the view that the Faculty needed to collect the fragmented space of some departments into an effective centre and also needed space for immediately foreseeable developments. These needs were negotiated with the Senate Committee on University Development culminating in space recommendations going before the Senate and Board of Governors in June, 1974. The result is that new building to the extent of 15,000 square feet will be started this year; this, together with some renewal and shifting of space, will help relieve the problems foreseen in the immediate future for, in particular, Chemistry, Zoology, Geology, and the new program in Genetics. The development of Canadian resources, the urgency of environmental studies, and industrial development make likely a burgeoning interest of students at all levels in the biologies, chemistry and earth sciences. It is most unlikely that the sciences will do anything but grow; the initial effects are now being experienced.

A matter of growing concern in the Faculty of Science is the limitation of the non-salary items in the budget. The increments in the past few years (5% in 1973-74) do not keep pace with increasing costs of supplies and equipment (rarely less than 10% in 1973-74 and often in the 25% to 75% range). This situation has enormous impact upon laboratory teaching as well as on the costs of research in Science. We have been equally concerned by the increasing difficulty in maintaining our resource of major equipment, for which no regular mechanism of replacement or up-dating is available. A survey conducted in January, 1974 showed that the ten constituent departments of the Faculty have in excess of \$6,000,000. invested in apparatus worth more than \$1,000. per item and that the average increase in replacement cost was 35%. Unless some definitive mechanism for

modernization can be devised it is inevitable that this major resource for teaching and research is now in process of depletion. Even so, we have to and do add major items of equipment each year (thus the problem is even increasing in magnitude) e.g. remarkable additions of major equipment to the Department of Geology (Professor W. S. Fyfe) have been funded by the N.R.C., The Bickell Foundation, and by the Academic Development Fund, which provide facilities in that Department for geochemical analysis (and for the developing Chemistry and Geology program) that are second to none.

Research is a major function of the faculty and contributes importantly to teaching at all levels. Although several departments show substantial increases in total funding (e.g. 23% in Plant Sciences) individual grants do not show such a healthy trend, indicative of the inadequacy of funding for granting bodies such as the N.R.C. Of equal concern during the year were the pronouncements from the Federal Government indicative of major changes in the formation of Granting Councils. Our concerns in this matter were represented to the Office of the President and discussed at length so that suitable representations could be made in Ottawa concerning both the mechanisms and extent of funding. Shifts in the modes of support arising from the development of research contracts (not only for appropriately developed bodies such as the Centre for Interdisciplinary Studies in Chemical Physics and the Centre for Radio Science but also for individuals) raise problems for the Universities because of the limited specific goals that these contracts entail.

Social and political pressures as well as the continued blurring of disciplinary distinctions in modern science are reflected in various interdisciplinary developments in teaching and research:

Between Departments new joint B.Sc. programs have developed in Chemistry and Biology and in Chemistry and Geology. A new Honors Program in Genetics brings together the expertise of a number of individuals in biological and medical departments.

Between Faculties there has been continuing development of joint efforts. Notable among these is a new joint teaching venture shared by the Computer Science Department and the Computing Laboratory in the Faculty of Social Sciences; new joint appointments for courses in Environmental Engineering between the Departments of Plant Sciences and of Physics with the Faculty of Engineering Science and for the closer association of the Centre for Radio Science with interested members of Engineering Science; and many other efforts including a research and development project between the Departments of Physics and Psychology to provide tele-sensors for the blind. Perhaps equally reflective of growing awareness of unity is the continuing appointment of Professor G.S. Rose of the Department of Physics as Assistant Dean of Arts.



Between Universities there are many and multiple points of contact. New and significant is a joint program with McMaster University, spearheaded by Dr. R. Martin of the Department of Chemistry, involving the development of programmed teaching in Chemistry.

With the Community there have been continuing special points of contact such as the Community Information Systems developed by the Department of Computer Science. Members of the Mathematics and Applied Mathematics Departments have extended an old statistical advice service into a broad "mathematics consulting service" to provide their expertise to a number of industries in the London area. Many departments have taken part in Secondary School Liaison projects and maintain contact with teachers, but some (e.g. Department of Physics) have organized one or more "professional development days" for London and district Science teachers. Following the initiative of Dr. Celia MacDonald (Academic Counsellor) the Faculty started publication of a quarterly magazine, The Science Terrapin, for distribution to the Secondary Schools of Ontario. This magazine, edited by Dr. MacDonald and supported by a Board of Faculty members, has been enthusiastically received and seems to fulfil its purpose as an informative stimulus to those interested in science.

Practical developments in this age of concern for applications of science, are an outgrowth of fundamental research. As a current example, it is worth noting that the Microtron Project, which originated in the department of Physics and now is supported by an Atomic Energy of Canada Limited, development contract with the Centre for Interdisciplinary Studies in Chemical Physics, has arrived at a design practical for application to radiation therapy.

The University and this Faculty brings many distinguished visitors for lectures, research discussions, consultation and appraisal. These are usually individual "star performances", and a full list, although impressive, is unnecessary. However, it is worth mentioning that at least one department (Geology) attracts a series of world authorities through the year who contribute to a regular senior undergraduate course; this year it was a course in global tectonics. Another type of focus is exemplified by the Centre for Interdisciplinary Studies in Chemical Physics which brings senior investigators as Visiting Fellows who play an integral part in the ongoing research projects of the Centre; this enterprise has become fully developed in 1973-74.

The Faculty of Science has been far from content to stay static. It has, during the year, reviewed the structure and functions of all its standing Committees; initiated a review of mathematical offerings as a joint effort of the Departments of Mathematics and Applied Mathematics; and has initiated discussions of the long term aspects of biology in the Faculty. There have been a number of experiments in teaching with the introduction of controlled trials of new approaches in introductory courses, notably in Chemistry (Dr. R. Martin) and in Physics (Drs. Gaily and Rosner), with support from the Ontario Program for Instructional Development and the University Research Council. Accommodation to the varied backgrounds of freshman students is always difficult and not least in Mathematics; the Department of Mathematics has gained approval for five half courses, which will allow selection of a pattern suitable to the student.

Both the Long Range Academic Planning Committee and the Educational Policy Committee have given careful consideration to the recommendations of an ad hoc group under Professor H. C. Clark regarding the introduction of a Liberal Studies in Science program. This intensive study of a generalized approach to science recognizes that there are broad implications and applications of scientific understanding that not only interest students but also may have use and impact in various sectors of society. A proposal is being made ready for the consideration of Council.

Appraisal of Departments, as a joint concern with the Faculty of Graduate Studies, is a continuing and helpful activity. This year the Department of Applied Mathematics and the Centre for Radio Science were subjected to detailed scrutiny by distinguished appraisers invited from other institutions. Discipline assessments (A.C.A.P.) involved the Departments of Physics and Astronomy; and the final reports on last year's discipline assessment of the Earth Sciences was received. Various actions in response to these reports are under consideration.

#### Faculty Notes

The Faculty notes with sorrow the deaths of two of our most respected Emeritus Professors of Chemistry, Professor J. A. Gunton and Professor J. W. Burns, who devoted their academic lives to the Department, the University and its students.

We have accepted with regrets the resignation of Professor J. F. Hart as Head of the Department of Computer Science (effective June 30, 1975), which he founded and has led with distinction.

### Honors, Awards and Appointments

Professors G. M. Bancroft and A. J. Sukava of the Department of Chemistry and Professor J. M. Carroll of the Department of Computer Science were accorded the rank of Professor.

Professor J. H. Blackwell, Department of Applied Mathematics, was elected Vice-President of the Canadian Society for Mechanical Engineering with responsibility for the Mechanics and Applied Mathematics Division. Professor Blackwell has been appointed Special Assistant to the President from 1 January 1974 to 30 April 1975.

Professor S.C.R. Dennis (Applied Mathematics) has been appointed as Assistant Chairman of the Department for the term of Professor Blackwell's appointment in the Office of the President.

Professors A. R. Allnatt, D. R. Arnold, G. M. Bancroft and W. R. Ware were elected Fellows of the Chemical Institute of Canada.

Dr. N. C. Baird (Chemistry) was awarded an OCUFA Teaching Award for outstanding contributions to undergraduate teaching.

The following have been accorded Emeritus Professor status: Professor R. H. Cole (Mathematics), retired after 34 years of service to the University; Professor L.F.S. Ritcey (Mathematics) has resigned his post-retirement teaching appointment; and Professor R. A. Allen has retired after more than 50 years of service in the Department of Physics and various University tasks of post-retirement. These fine colleagues have done much for the University and their departments, we wish them all happiness and good health.

Members of the Department of Plant Sciences have been particularly honored by election to office in national societies: Professor C. J. Hickman is President of the Canadian Phytopathological Society; Dr. P. B. Cavers is President of the Canadian Botanical Association, and Professor D. B. Waldenis is President of the Biological Council of Canada.

Dr. Angela Wellman (Plant Sciences) has been appointed Assistant Dean of the Faculty of Science to succeed Dr. W. C. Howell (Chemistry) who will take up his full time post as Secretary to the Senate on July 1, 1974 after 5 years of devoted and invaluable service to the Faculty as Assistant Dean.

Professor J. B. Bancroft (Plant Sciences) and Professor W. P. Alford took up their appointments as Chairmen of their respective departments in the Summer of 1973 and are most welcome to the Faculty.

Dr. R. F. Mereu (Geophysics) has been Acting Chairman of the Department during the sabbatical leave of Professor A. E. Beck in 1973-74.

Dr. Celia MacDonald (Academic Counsellor) was appointed as the founding Editor and prime organizer of the Science Terrapin, a quarterly magazine published by the Faculty of Science for distribution to Secondary Schools.

Professor D. G. Wilson (Plant Sciences) has been appointed to succeed Dr. MacDonald as Editor of this magazine in 1974-75.

#### Sabbatical Leaves 1973-74

The following were on Sabbatical or Study Leave during the year:

A. E. Beck (Geophysics), J.C.D. Brand (Chemistry), L. K. Chan (Mathematics), W. R. Church (Geology), F. S. Cook (Plant Sciences), A. D. Edgar (Geology), R. W. Hutchison (Geology), P. W. Jacobs (Chemistry), J. Jones (Physics), J. M. Marlborough (Astronomy), H. C. Palmer (Geophysics), J. Purko (Zoology), A. E. Scott (Dean of Science), R. R. Shivers (Zoology), B. Y. Tong (Physics), R. B. van Huystee (Plant Sciences), D. B. Walden (Plant Sciences) and A. M. Wellman (Plant Sciences).

#### Meetings Organized by the Faculty 1973-74

August 1973,	14th Biennial Seminar of the Canadian Mathematical Congress. (Mathematics and Applied Mathematics Departments)
October 1973,	Canadian Association of Physicists - Undergraduate Physics Conference. (Physics Department)
November 1973,	Mathematics Canada -- one day Conference
March 1974,	London and District Science Fair - (Professor J.W. McGowan and I. G. Walker, Convenors)
May 1974,	Exciplex Conference (Photochemistry Laboratory and the Department of Chemistry)
June 1974,	Canadian Symposium on Fluid Dynamics (Professor S.C.R. Dennis, Department of Applied Mathematics).

Envoi

As Acting Dean for 1973-74 I am grateful for all the consideration and patience shown to me by all Departments and their Chairmen, by the Officers of the University and the members of Faculty and Staff. I am particularly grateful and acknowledge the unstinting help of Dr. W. C. Howell, the Assistant Dean who has had an added burden of Office, since January, 1974, as Secretary of Senate. In no small measure, the same applies to Mrs. Barbara Conkey and the staff of the Dean's Office for facilitating the growing work of the Faculty, and to Dr. Celia MacDonald and Professor A. E. M. Bode who have done sterling service in Academic Counselling. We shall all welcome Dean A. E. Scott back to his office.

FACULTY OF SOCIAL SCIENCE

Report of the Dean

PROFESSOR G. L. REUBER1. Enrolment

a) Undergraduate: Figures on undergraduate enrolment in Social Science courses are summarized in Tables 1 and 3 for the period 1969 to 1974. The following points are especially noteworthy:

i) In 1973/74 enrolment in Social Science courses made up about 45 per cent of all intramural course registrants in the Faculties of Arts, Science and Social Science.

ii) From 1972/73 to 1973/74 enrolment in Social Science courses increased 9.9 per cent, compared to 3.9 per cent a year earlier and 7.0 the year before that.

iii) The acceleration in the growth in the number of course registrants reflected widely divergent rates of change among the Departments in the Faculty. The most rapid increase occurred in Journalism (an increase of 29.5 per cent from 1972/73 to 1973/74) followed by Economics (18.0 per cent), Sociology (17.8 per cent) and History (10.1 per cent). Below-average increases are shown for Anthropology (7.6 per cent), Psychology (4.1 per cent), Political Science (3.0 per cent) and Secretarial Science (1.7 per cent). Enrolment in Geography declined (3.8 per cent) for the second year in succession.

iv) Over 42 per cent of the intramural Social Science course registrants were registered in 20-level courses, 34 per cent in general courses and 24 per cent in honours courses. Comparisons with earlier years are difficult to draw because of curricula changes which combined general and honours courses and the amalgamation of London evening classes with intramural classes.

v) This amalgamation explains much of the large decline from 1972/73 to 1973/74 in the figures shown for Summer School and Extension. Although comparable estimates are not available, it appears that some decline in Summer School and Extension registration occurred even after allowance

TABLE 1

UNDERGRADUATE ENROLMENT IN SOCIAL SCIENCE COURSES, 1969/70, 1970/71,  
1971/72, 1972/73 AND 1973/74

(number of course registrants)

Department		Intramural*			Total	Summer School and Extension**
		20-Level	General	Honours		
Anthropology	1970	268	-	-	268	187
	1971	347	-	192	539	252
	1972	501	-	283	784	345
	1973	611	-	233	844	147
Economics	1969	1167	1177	367	2711	403
	1970	1150	1563	401	3114	283
	1971	1287	1634	286	3207	332
	1972	1287	1622	331	3240	291
	1973	1609	1859	356	3824	201
Geography	1969	476	431	522	1429	193
	1970	464	498	638	1600	320
	1971	548	619	623	1790	374
	1972	377	592	605	1574	292
	1973	431	541	542	1514	111
History	1969	622	736	455	1813	500
	1970	605	846	594	2045	587
	1971	789	666	761	2216	619
	1972	939	519	1019	2477	617
	1973	982	525	1220	2727	264
Journalism	1969	328	-	249	577	125
	1970	463	-	357	820	219
	1971	506	55	437	998	144
	1972	422	52	356	828	84
	1973	408	46	618	1072	37
Political Science	1969	602	547	234	1383	149
	1970	472	623	234	1329	205
	1971	605	628	288	1521	236
	1972	479	699	518	1696	392
	1973	719	527	500	1746	144
Psychology	1969	2007	2207	358	4572	1899
	1970	2184	2739	430	5353	2426
	1971	2205	3158	445	5808	2389
	1972	2221	1238	1930	5389	1992
	1973	2545	1581	1486	5612	712
Secretarial Science	1969	149	252	-	401	-
	1970	207	372	-	579	-
	1971	248	229	-	477	-
	1972	155	363	-	518	-
	1973	147	380	-	527	9
Sociology	1969	1323	1063	-	2386	1130
	1970	1626	1324	-	2950	1177
	1971	1463	1076	143	2682	1694
	1972	1439	1593	446	3478	1467
	1973	1799	1903	394	4096	825
Total	1969	6674	6413	2185	15272	4399
	1970	7439	7965	2654	18058	5404
	1971	7998	8065	3175	19233	6040
	1972	7820	6678	5486	19984	5480
	1973	9251	7362	5349	21962	2450

\* Intramural, 1973/74 includes London evening classes.

\*\* 1973 does not include 1308 extension and correspondence registrants.

TABLE 2  
GRADUATE ENROLMENT IN SOCIAL SCIENCE 1969/70, 1970/71, 1971/72, 1972/73 and 1973/74  
(number of students)

Department	Master's Degree				Doctor of Philosophy				Total						
	1969/70	1970/71	1971/72	1972/73	1973/74	1969/70	1970/71	1971/72	1972/73	1973/74	1971/72	1972/73	1973/74		
Economics	25	28	31	19	14	24	48	40	50	40	49	76	71	69	54
Geography	32	52	55	46	36	14	34	35	31	24	46	86	90	77	60
History	20	38	45	42	62	9	20	15	15	11	29	58	60	57	73
Political Science	18	45	45	50	47	6	6	6	10	11	24	51	51	60	58
Psychology	24	48	42	50	51	38	52	55	65	78	62	100	97	115	129
Sociology	16	30	28	26	34	-	-	-	-	-	16	30	28	26	34
<b>Total</b>	135	241	246	233	244	91	160	151	171	164	226	401	397	404	408



TABLE 3  
 PERCENTAGE CHANGE IN ENROLMENT (INTRAMURAL) 1970/71, 1971/72, 1972/73, 1973/74

Department	Undergraduate Course Registrants			M.A. Students			Ph.D. Students			All Graduate Students						
	1970/71	1971/72	1972/73	1973/74	1970/71	1971/72	1972/73	1973/74	1970/71	1971/72	1972/73	1973/74				
	18.4	7.0	3.9	9.9	77.4	0.7	-5.3	4.7	75.8	-5.6	13.3	-4.1	76.8	-1.6	1.8	1.0
Anthropology	-	101.1	45.0	7.6												
Economics	14.9	3.0	1.0	18.0					55.1	-6.6	-2.8	-21.7				
Geography	12.0	11.9	-12.1	-3.8					87.0	4.7	-14.4	-22.1				
History	12.8	8.4	11.8	10.1					100.0	3.4	-5.0	28.1				
Journalism	42.1	21.7	-17.0	29.5												
Political Science	-3.2	14.4	11.5	3.0					112.5	0.0	17.7	-3.3				
Psychology	17.1	8.5	-7.2	4.1					61.3	-3.0	18.6	12.2				
Secretarial Science	44.4	-17.6	15.9	1.7												
Sociology	23.6	-9.1	29.7	17.8					87.5	-6.7	-7.1	30.8				

is made for amalgamation in the figures. This seems to be a continuation of the decline from the peak reached in 1971/72.

b) Graduate: The figures on graduate enrolment by Department are shown in Tables 2 and 3. In 1973/74, there were 408 graduate students enrolled in the Faculty of whom 164 were Ph.D. candidates. Total enrolment increased 1.0 per cent from 1972/73; Ph.D. enrolment decreased 4.1 per cent; M.A. enrolment increased by 4.7 per cent.

Large increases in graduate enrolment occurred in Sociology (30.8 per cent), History (28.1 per cent) and a more modest increase in Psychology (12.2 per cent). A small decrease in enrolment occurred in Political Science (3.3 per cent) and substantial decreases in Economics (21.7 per cent) and Geography (22.1 per cent).

c) Graduands: In 1973/74 the following degrees were awarded to Social Science students: 1,175 Bachelors degrees; 41 Diplomas; 5 certificates of honours standing; 86 Masters degrees and 16 Doctorates. The Awards Ceremony initiated a year earlier was held prior to Spring Convocation at which gold medals and other prizes were presented to graduating students. These included the newly established Chancellor's Prizes for the best students graduating in an honours and a general Social Science programme.

## 2. Class Size

Data on the size of classes in Social Science subjects are summarized in Table 4. During 1973/74 the average size of a freshman class in Social Science numbered 88 students (11 per cent more than in 1972/73); the average size of a general course above the 20 level was 61 students (12 per cent more than in 1972/73); the average size of an honours class was 25 students (4 per cent more than in 1972/73); and the average size of a graduate class was 7 students (14 per cent more than in 1972/73). During 1973/74 the Faculty had 58 undergraduate classes with 10 or less students (compared to 75 in 1972/73) and 53 classes (compared to 45 in 1972/73) with more than 100 students.

TABLE 4

CLASS SIZE BY DEPARTMENT AND PROGRAMME 1973-74

20-Level	Number of Classes*						
	0-10	11-50	51-100	101-150	151-200	201-300	300+
Anthropology			10				
Economics		2	23				
Geography			1	1		1	
History		6	1	5			
Journalism				3			
Political Science		11	8				
Psychology			6	12	1	2	
Secretarial Science		4					
Sociology		—	—	7	—	4	—
TOTAL		23	49	28	1	7	
<u>General Courses</u>							
Economics	1	6	25				
Geography	1	6	3	1			
History	1	11	1	1			
Journalism		1					
Political Science	3	14	1				
Psychology			4	1		3	1
Secretarial Science		9	1				
Sociology		7	17	6	1		
TOTAL	6	54	52	9	1	3	1
<u>Honours Courses</u>							
Anthropology	6	12					
Economics	10	12					
Geography	8	17	2				
History	14	27	2	3			
Journalism		12	3				
Political Science	2	21	1				
Psychology	11	41	12				
Sociology	1	20					
TOTAL	52	162	20	3			
<u>Graduate Courses</u>							
Economics	23	3					
Geography	21	6					
History	16	4					
Political Science	17	1					
Psychology	39	8	2				
Sociology	24	4					
TOTAL	140	26	2				

\* class = course section.

In 1973/74 the Faculty had 13 classes with more than 150 students compared with 10 a year earlier. Of these 13 classes, 7 were in Psychology, 5 were in Sociology and 1 was in Geography. No other Departments had classes with more than 150 students enrolled.

The question of class size has been under review for several years now and continued efforts are being made to try to close down very small classes in order to make more teaching resources available to reduce the size of very large classes. As stated last year, the general policy being implemented is that approved by the Faculty Council in its response to the Porter Report. Under this policy, the following enrolment minima for offering a course have been adopted: 12 students for general courses and 5 students for honours and graduate courses.

As is apparent from Table 4 the greatest scope for implementing such a transfer of resources is to be found in the graduate area. In 1972/73 140 graduate courses had an enrolment of less than 10 students. Of this 140, 39 were in Psychology and 24 in Sociology - the Departments having all but 1 of the undergraduate classes where enrolment exceeds 150 students.

### 3. Teaching

Last year, after the Senate transferred responsibility for teacher evaluation to each Faculty, the Faculty undertook its own assessment based on the Senate questionnaire developed a year earlier. The results of this assessment are summarized by Department in Tables 5 and 6. It should be noted that the scores shown in these tables are not comparable with those reported for the Senate assessment a year ago because of changes in the rating scale. The average score for 1973/74 is 3.3 out of a maximum of 5.0. The scores range from a high of 3.6 for Secretarial Science to a low of 3.0 for Economics, indicating a very narrow range of variation among Departments - a range so narrow as to make differences in the averages among Departments of little or no significance, particularly when one considers the standard errors of over 1.0 associated with these estimates.

TABLE 5  
 FACULTY OF SOCIAL SCIENCE  
TEACHER RATINGS BY DEPARTMENT 1973-74\*  
 0 (low) to 5 (high)

<u>Department</u>	<u>All Teachers and Courses Evaluated</u>		
	<u>n</u>	<u><math>\bar{m}</math></u>	<u><math>\sigma</math></u>
Anthropology	22	3.4	1.20
Economics	119	3.0	1.14
Geography	58	3.4	1.17
History	101	3.5	1.06
Journalism	28	3.3	1.07
Political Science	58	3.3	1.21
Psychology	112	3.2	1.11
Secretarial Science	21	3.6	1.29
Sociology	66	3.5	1.15
TOTAL	<u>585</u>	<u>3.3</u>	<u>1.15</u>

\* Question 10: Overall effectiveness.

Notation: n = number of observations;  $\bar{m}$  = simple average of all observations in the Department;  $\sigma$  = standard deviation.

TABLE 6  
TEACHER RATINGS BY COURSE LEVEL AND DEPARTMENT, 1973/74

	20-Level			General			Honours		
	$\underline{n}$	$\bar{m}$	$\underline{s}$	$\underline{n}$	$\bar{m}$	$\underline{s}$	$\underline{n}$	$\bar{m}$	$\underline{s}$
Anthropology	10	3.3	.69	0	-	-	12	3.7	.83
Economics	42	2.9	.69	50	3.1	.64	27	3.6	.62
Geography	5	3.3	.82	18	3.5	.79	35	3.5	.70
History	36	3.5	.57	17	3.7	.71	48	4.0	.58
Journalism	9	3.3	.52	1	3.3	0	18	3.1	.91
Political Science	21	3.2	.77	16	3.5	.74	21	3.4	1.10
Psychology	31	3.1	.62	18	3.2	.46	63	3.3	.72
Secretarial Science	5	4.2	.54	16	3.3	1.12	0	-	-
Sociology	12	3.6	.69	33	3.4	.67	21	3.5	.78
TOTAL	<u>171</u>	<u>3.2</u>	<u>.70</u>	<u>169</u>	<u>3.3</u>	<u>.73</u>	<u>245</u>	<u>3.5</u>	<u>.78</u>

Notation:  $\bar{m}$  = simple average of all observed course means for Question 10.

Other notations as in Table 5.

In last year's Report a comparison was drawn between the results obtained from two evaluations, one based on a Senate questionnaire and the other based on a University Students' Council questionnaire. The results of this comparison indicated a positive association between the two evaluations but not a particularly close association: about 67 per cent of the variation in one evaluation was explained by variation in the other. As an extension of this attempt to assess the degree of reliability of such evaluations, a further comparison has been made based on 31 returns in the Economics Department for November, 1973 and March, 1974. In these 31 cases an evaluation was made of the same instructor in the same course using the same questionnaire on two different days. Perfect correspondence in the assessments would imply a correlation of 1.0 between the two assessments. In fact the correlation is .80; in other words, only 64 per cent ( $\bar{R}^2$ ) of the variation in one evaluation is explained by variation in the other evaluation. Not only is this percentage relatively low but also it is lower than the correlation obtained in last year's comparison using two different tests. (The difference between the two correlation coefficients is not statistically significant.) As was true of last year's comparison, this result is not particularly reassuring.

Another question is the effect that various class characteristics may have on the student assessments. In order to explore this, a multiple regression equation was fitted to 382 student responses in which it was assumed that the evaluation given by each student is a function of some constant factor together with the grade distribution in the class, class size, the subject and the level of the course. The estimated equation is as follows:

$$\begin{aligned} \text{EVAL} = & \underset{(19.77)}{3.16} + \underset{(2.41)}{.0027} \left\{ \begin{array}{l} \text{per cent of} \\ \text{students in class} \\ \text{receiving A and B} \end{array} \right\} - \underset{(.72)}{.015} \{\text{subject}\} \\ & + \underset{(1.91)}{9.12} \{\text{course level}\} - \underset{(1.49)}{.0015} \{\text{class size}\} \end{aligned}$$

$$\bar{R}^2 = .058$$

(Dummy variables, numbered 1 through 9, were included to distinguish subjects; dummy variables numbered 1 through 3, were included to distinguish 20-level, general and honours courses. Standard errors are shown in parentheses under the associated coefficients.)

This is a very crude test and as the value of  $\bar{R}^2$  indicates, the equation explains only 6 per cent of the variation in the assessment scores (EVAL) - indeed, the relation as a whole is not statistically significant. The estimates do, however, suggest a significant positive association between evaluation scores and a high grade distribution, and the seniority of the course level; a less significant negative association between evaluation scores and class size and no significant association with subject. (The inter-correlation among the explanatory variables is sufficiently small so as not to pose a problem of multicollinearity.)

As stated in last year's Report, student evaluations measure only limited aspects of teaching performance; and even within these limits our results leave a significant margin of doubt. Thus, while fully recognizing that such evaluations provide a reasonably objective, quantitative point of departure in arriving at judgements about teaching performance, they cannot legitimately be seen as providing pin point accuracy nor as providing evidence that is necessarily superior to other evidence. In short, it remains important to take into account other kinds of information along with the results of student evaluations in order to try to arrive at measurably valid assessments of teaching performance.

Two other aspects of our teaching activities last year are noteworthy. First, a programme of guest lecturers for the Faculty was begun in the fall: "The Social Science Forum". This programme is run by a Committee made up of one student from each Department and chaired by the Assistant Dean, T. N. Guinsburg. Two lecturers were invited in the course of the year. John Money of Johns Hopkins University spoke on "Pygmalion Updated: The Making of Gender Identity", and James Eayrs of the University of Toronto lectured on "Why Governments Goof: An Anatomy of Misperception". The "Forum" has been a considerable success and will continue next year.

Finally, the Faculty takes considerable pride in having had two of its members named as recipients of OCUFA Teaching Awards in 1974, M. W. Westmacott in Political Science and C. F. Grindstaff in Sociology. Twenty such awards were made to Faculty members selected from all Universities in Ontario.



#### 4. Secondary School Liaison

During the year a major effort was made to enhance this Faculty's relationships with the Secondary Schools. This was done under the direction of C. A. Ruud in co-operation with the Secondary School Liaison Office. A major part of this activity took the form of a Speakers Program under which members of the Faculty presented lectures at high schools in Southwestern Ontario. In total over 40 visits were made to about 15 high schools. In addition, 3 schools arranged visits to our Psychology Department. Those who presented lectures in this series included: J. P. Palmer, R. A. L. Carter, E. G. Pleva, C. F. J. Whebell, W. R. Wightman, H. A. Hossé, G. N. Emery, K. H. Hilborn, D. H. Flaherty, J. J. Talman, J. N. Thompson, C. A. Ruud, T. R. Sansom, M. R. Cole, G. P. Murray, C. F. Grindstaff, K. Westhues and J. W. Rinehart.

In addition to the Speakers Program, plans are being developed to welcome high school teachers to the University in conjunction with Professional Development Day. Other types of activity are also being reviewed. While Professor Ruud is on Sabbatical Leave during 1974/75, responsibility for directing this Faculty's secondary school liaison activities will be assumed by I. P. Suttie.

#### 5. Planning and Development

The Educational Policy Committee, chaired by Assistant Dean T. N. Guinsburg, reviewed various course proposals emanating from Departments during the year. In addition, it continued its examination of a series of broader questions of academic policy. The Committee's recommendations, which were placed before the Faculty Council in April, related to three questions:

1. Introductory Courses
2. Class size
3. Status of women

The first two sections were referred to Departments for comment and further review by the Committee in the light of Departmental Comments. The third section was approved for the most part. As approved by Council, the recommendations are as follows:

" Data on the composition of the instructional staff and student body within this Faculty indicate that women are grossly underrepresented on the Faculty and that, in certain disciplines, the proportion of women students seems unduly low. Moreover, a disproportionately small number of female graduands from honours programmes proceed to graduate study. Recognizing that the reasons for this situation are complex, the Committee is nonetheless deeply concerned, particularly since studies indicate that the interests and aspirations of female students are directly and substantially affected by the presence or absence of role models. Accordingly, to begin to make the academic environment in this Faculty more suitable to the aspirations of its women students, the Committee recommends:

1. That each Department make substantial efforts to recruit female Faculty and report annually on such efforts as have been made. That in instances where candidates are otherwise equal, preference be given to women candidates.
2. That advertisements for positions be stated in such a way as to attract women candidates, e.g. "This position is open to both men and women."
3. That in considering candidates for positions, Departments not discriminate against candidates presenting alternative career lines, e.g. a woman having taken several years off to raise a family.
4. That women lecturers be brought in to address this University community by inviting them to give guest lectures in classes, to give public lectures, to participate in such things as the Social Science Forum, and to offer Departmental colloquia and the like.
5. That this Faculty establish a visiting professorship in the social sciences to be awarded annually to a woman.
6. That Departments investigate the possibilities of improving disproportionate ratios between men and women on the Faculty and among students in these disciplines.

7. That the Departments give additional encouragement to female students to continue into graduate study.
8. That this Faculty recommend that both the psychological and vocational counselling staffs of this University always include a woman.
9. That the recommendations of this Committee be forwarded to the President's Committee on the Status of Women and that that Committee be urged to pursue actively its investigations into the matters dealt with by the above recommendations as well as such matters as Faculty salary, contracts and graduate studies. "

Two subsections recommended by the Committee, dealing with anti-nepotism rules and a complaint procedure, were referred back to the Committee by Council.

During the year the Faculty received three discipline assessment reports prepared for the Advisory Committee on Academic Planning which is now systematically assessing graduate education in all disciplines in Ontario. These reports dealt with Anthropology, History and Political Science. Under the leadership of the Dean of Graduate Studies, a response was prepared to each report. These reports, together with the earlier reports on Economics, Geography and Sociology mean that six of the nine Departments in this Faculty have now been assessed. In summary, the reports recommend expanding our M.A. and Ph.D. programmes in Economics and History; consolidating and contracting our M.A. and Ph.D. programmes in Geography; implementing our plans for an M.A. programme in Anthropology, continuing our M.A. programmes in Sociology and Political Science; phasing out two fields in our Ph.D. programme in Political Science (Canadian government, political theory) but continuing Ph.D. work in the third field (local government); deferring to 1980 our plans for Ph.D. work in two fields of Sociology (medical sociology and communications-group behavior) but implementing our plans for Ph.D. work in the third field (demography). Planning within the Faculty is generally proceeding in line with these recommendations.

The plans to develop a separate School of Journalism providing training at the Master's level have now virtually become reality. Approval of the Master's programme by the Ontario Council of Graduate Studies is

imminent. In August, 1974 Senate formally approved both the new Master's programme and phasing out the undergraduate programme. The Department was formally transferred out of this Faculty on September 1, 1974, when it came under the jurisdiction of the Faculty of Graduate Studies. It is intended that two general undergraduate courses in Journalism will continue to be offered under the jurisdiction of this Faculty.

Following upon the appointment of its new Chairman last year, the Department of Secretarial Science embarked on an active review of its programme. In August, 1974, the Senate approved a recommendation that the name of the Department be changed to Secretarial and Administrative Studies. The Department plans to recommend major changes in its curriculum during the coming year.

As part of the process of appointing a new Chairman, the process of an external assessment of the Psychology Department was begun in April, 1974.

As reported last year, in September, 1973 the first group of children was enrolled in the Laboratory Preschool established in the Psychology Department under the direction of M. J. Wright. The Laboratory was officially opened on March 29, 1974 by the Ontario Minister of Community and Social Services, the Honourable René Brunelle. In addition a public lecture, "Working in Today's Preschool", was presented by David Weikart, President, The High Scope Educational Research Foundation, Ypsilanti Michigan. The Opening was attended by guests from other Universities, the Provincial Government and the London Community concerned with nursery school activities.

The Social Science Computing Laboratory, which was established in 1972, was also officially opened last year. This was done on November 15, 1973 by the Chief Statistician of Canada, S. Ostry. Prior to the ceremonies, Dr. Ostry presented a public lecture on "Computers and Data: Opportunities and Problems". Members of the University were joined for this occasion by representatives of Statistics Canada, the London Community and several business firms concerned with the development of computing services. Apart from the Opening, during the year the Computing Laboratory has made further progress in developing both its research and teaching

facilities. In addition to continuing its non-credit courses, plans have been approved to offer four undergraduate half-year courses jointly with the Department of Computer Science, Faculty of Science.

During the year the members of the Faculty actively participated in a number of inter-Faculty discussions on inter-disciplinary programmes. These included, among others, training in public administration, environmental studies, a health-related research centre, and continuing and adult education.

#### 6. Research Activities and Grants

Appendix B of this Report shows the publications by members of this Faculty. As these indicate the research activities in the Faculty embrace a very wide range of interests. These activities have been enhanced by visitors from many parts of the world.

As stated in earlier reports, much research activity in the Faculty has not been supported by grants from outside the University. The high quality of most of this work is evident from the large number of scholarly publications emanating from unsponsored research activity.

Research grants awarded by outside agencies to members of this Faculty totalled \$1.8 million in 1973/74. Following previous Reports, such grants may usefully be classified into two categories: large grants for major projects undertaken by one or more persons and sometimes extending over several years; and smaller grants to individual Faculty members made by the Canada Council, the National Research Council and other outside agencies. Figures showing the amounts made available in these two forms are summarized in Table 7.

During 1973/74 the Faculty received two grants totalling \$579,000 in the first category. A total of \$1,255,558 was made available from outside sources in the second category.

With the advent of the University Academic Development Fund in 1973, four proposals were submitted by this Faculty in December 1973 for consideration by SCUP. The following proposals were approved:

Regional Library Collection (submitted jointly with the University Librarian)	\$60,000 (1974-77)
Programme in demography	\$50,000 (1974-76)
Social Science Programme/Data Information System	\$97,000 (1974-77)

A proposal on Urban and Regional Administration and Government for \$165,000 over three years remains under discussion. In addition, this Faculty has an interest in a proposal to establish a health care research unit which also remains under review.

In January, E. Hanis and D. Flaherty applied for funds to the Ford Foundation, under its programme dealing with problems common to advanced industrial societies, to undertake a large inter-disciplinary study over the next three years on "Informational Privacy and Access to Government Microdata Files for Social Science Research". The Foundation has recently announced a grant of \$147,000 to support this proposal. The project was one of eleven chosen from 88 applications and is one of the largest grants made by the Foundation under this programme. Western was the only Canadian University to receive such an award.

Leave Fellowships were awarded by the Canada Council to help the following Faculty members in 1973/74: J. C. Day, J. P. Denny, F. A. Dreyer, S. J. R. Noel, N. J. Vidmar, J. L. Wild and Y. Zoltvany. A Killam grant was awarded to M. Zaslow to enable him to work full-time on his research on the development of the Canadian North. In addition, C. Creider began work on a project involving the analysis of Luo non-verbal gestures; and the acquisition of a considerable portion of the Jury Collection of Southwestern Ontario Archeological material made it possible to provide supervised laboratory work for students under the supervision of W. Finlayson. E. Beecroft has been commissioned by the Federal Ministry of State for Urban Affairs to prepare a report on capital financing of Urban development

TABLE 7  
RESEARCH GRANTS BY OUTSIDE AGENCIES

A. <u>Major New Grants</u>	<u>Amount</u>	<u>Period</u>
Canadian International Development Agency - Ghana Project (Renewal)	\$454,000	1973-1975
Department of the Secretary of State (R. C. Gardner)	125,000	1973-1974
	<u>\$579,000</u>	
<b>B. <u>Other Grants, Amounts Available 1973/74</u></b>		
1. <u>By Department</u>	<u>Number</u>	<u>Amount</u>
Anthropology	6	\$ 14,075
Economics	12	244,480
Geography	18	121,631
History	10	55,048
Psychology	42	680,283
Sociology	6	32,541
Computing Laboratory	1	107,500
TOTAL	<u>95</u>	<u>\$1,255,558</u>
2. <u>By Granting Agency</u>	<u>Number</u>	<u>Amount</u>
Canada Council	32	\$ 146,705
C.I.D.A.	3	199,666
Communications Canada	2	10,314
Counselling Foundation of Canada	1	20,000
Defense Research Board	2	12,746
Department of Environment	2	2,500
Department of Indian Affairs and Northern Development	3	4,125
Department of Manpower and Immigration	1	2,500
Department of National Defense	1	30,000
Department of National Health and Welfare	1	3,173
Department of Secretary of State	1	125,000
Economic Council of Canada	1	12,000
James F. MacLaren Ltd. Environmental Engineers and Scientists	1	14,568
Medical Research Council	5	64,470
National and Provincial Parks Association	1	1,500
National Museum of Man	2	6,650
National Research Council	20	204,813
Oneida Band Council	1	3,000
Ontario Housing Corporation	1	14,646
Ontario Department of Education	1	24,000
Ontario Mental Health Foundation	3	39,503
Ontario Ministry of Community and Social Services	1	44,729
Ontario Ministry of Natural Resources	1	9,150
Ontario Youth Secretariat	1	6,000
RODA	1	2,000
Richard Ivey Foundation	1	107,500
Richard and Jean Ivey Fund	1	8,500
Royal Ontario Museum	1	500
Social Science Research Council	1	35,000
Sollicitor General	1	93,700
U.S. Department of Health, Education and Welfare	1	6,600
TOTAL	<u>95</u>	<u>\$1,255,558</u>

to be completed in 1974. Attention should also be drawn to the collaborative research of W. Siegel and faculty members of the Department of Physics in developing a portable ultrasonic acoustic sensor. This miniature radar could well be of major assistance to the blind in the discrimination of the size, texture, and velocity of objects in space.

During 1973/74 a number of special seminars and Conferences were organized at this University either by members of this Faculty or with their help:

- Economics - Conference on "Selected Aspects of the Ghanaian Economy", June 13-14, 1974.
- Geography - Ontario meetings of the Canadian Association of Geographers, January 1974.
- History - Sixth annual conference of Ontario high school teachers of history, in collaboration with the History Department at Althouse College.
- Psychology - Symposium on images, perception, and knowledge, May 1974 co-sponsored with the Department of Philosophy.

## 7. Other Professional Activities

Apart from teaching and research, many members of this Faculty have participated in a wide variety of activities both within the University and within the scholarly community in this country. Many names might be mentioned but a few will suffice to illustrate the range of these activities. In Anthropology, D. L. Guemple was instrumental in establishing the Canadian Ethnology Society; W. Finalyson was named as the Editor of the organ of the Canadian Archeological Association. In Economics, several members served as consultants to various governmental Departments and agencies--Federal Provincial and Municipal. In Geography, J. G. Nelson was elected as Vice-President of the Canadian Association of Geographers; the department's periodical, Ontario Geography, was again issued and received international acclaim. In Journalism, C. E. Wilson served on the paper selection jury of the International Communications Association; F. K. Bambrick



was a judge in the Western Ontario Fair Association photography contest; A. W. MacFarlane served as co-chairman of the Ontario-Quebec Journalist Exchange and secretary of the Premier's Working Committee on the Province of Ontario Medal for Good Citizenship. In Political Science, T. R. Sansom was appointed to the Ontario Commission on Re-Distribution; E. Beecroft was appointed to a three-year term on the Committee on Interdisciplinary Studies in the Society for International Development and appointed to the City of London Management Committee; N. Pearson was re-elected Secretary to the Mid-Canada Development Foundation; A. O'Brien served as Vice-Chairman of Program Planning Committee Canadian Council on Social Development.

In Psychology, A. U. Paivio was elected President of the Canadian Psychological Association; T. F. Siess was elected alderman in Ward 6. In Secretarial Science, P. F. Davis was reappointed as an external proctor for the Certified Professional Secretaries examinations and I. P. Suttie continued as the Canadian representative to the Technical Committee for Education of the International Federation of Information Processing Society. In the Computing Laboratory, E. H. Hanis continued to serve as a member of the Statistics Canada Technical Committee on Census Research Tapes.

#### 8. Faculty Changes

Faculty changes are reported in detail in Appendix A. I. P. Suttie was appointed Chairman of the Department of Secretarial Science, effective January 1, 1974, succeeding the Acting Chairman B. D. Seldon.

R. W. Packer was honored at a dinner on the occasion of his 25th anniversary with the Department of Geography. J. J. Talman was honored for his contributions to academic scholarship with the presentation of the Talman Festschrift entitled "Aspects of 19th Century Ontario" published under the sponsorship of the Board of Governors and edited by F. H. Armstrong, H. A. Stevenson and J. D. Wilson.

Finally, I wish to pay tribute to the memory of T. M. Brown, in the Department of Economics, who passed away on August 23, 1973. Professor Brown, a delightful man, a dedicated scholar and a committed teacher, was one of Canada's outstanding economists. He is sorely missed both within the University and without. An award has been established by his Departmental colleagues in honour of his memory.

BRESCIA COLLEGE

## Report of the Principal

SISTER ARLEENE WALKER

There were undoubtedly two red-letter days on our calendar for 1973-74: the first was October 26 when Western conferred the honorary degree of LL.D. on Sister St. Michael Guinan, longtime member of Faculty and a member of Brescia's first graduating class. The day after Convocation Brescia College held a reception for Sister St. Michael, attended by a record number of alumnae and many of our University friends. We are indeed grateful to the University for this third-time recognition of our Faculty and appreciate the affiliation arrangement which allows us to contribute to University life.

Our second red-letter day occurred shortly before Christmas when the long-hoped-for news came that church-related colleges would receive 100% of operating grants, beginning in September, 1974. While this increase will not remove all financial worries, it will certainly help to alleviate them. We wish to express here our appreciation of University administration support in our approach to the Ontario Government on this matter.

Several Faculty members were awarded the Ph.D. degree at either Fall or Spring Convocations: Sr. Frances Ryan, York (Sociology), Sr. Mary Louise McKenzie, Toronto (English), Stephen Adams, Toronto (English) and Lawrence Fric, Toronto (Economics). Professors P. Giovannetti and N. Mercer of the Home Economics Department contributed to a nutrition lecture series for first year Medical students at Western, a series coordinated by Professor Giovannetti. Professor L. DiStefano served as Chairman of the University Art Committee. In work with outside professional groups, L. DiStefano was active on the Women's Committees of the London Art Gallery; N. Mercer with the Health Professionals Advisory Committee of the London District Group Health Foundation and with talks on nutrition to various groups; P. Giovannetti with several Committees

of the Canadian Dietetic Association, and with workshops for this Association and for the Faculty of Nursing at Western. This incomplete summary of Faculty activities may be concluded with mention of a paper, entitled "The Renaissance Conceit", delivered by Professor A. R. Zoll (English) to the Medieval and Renaissance Seminar held at Western in January.

Improvement of Academic programs at Brescia continued with the approval by Senate of the revised third year of Home Economics. This completed revision of the program allows for an option in the Clothing, Textile and Design area, while a fourth year program after graduation prepares the student for specialization in High School teaching as well as in additional branches of Dietetic training. In another area Brescia has contributed to opportunities at Western by providing the first credit course in the History of Women, to be begun in September 1974.

The second Alumnae College Day was held June 1-2 on the general theme of Freedom. The speakers were Professor Havelka of King's College, Professor P. Skidmore of Brescia College, London lawyer Laura Gray, Q.C., an alumna of the College, and Rev. Marcel Gervais of Divine Word Centre.

At the close of the year, Advisory Board Chairman, Mr. Donald Organ was replaced by Mrs. Gail Lamb.

As I come to the end of my five-year tenure as Dean and Principal of this College, I wish to take this opportunity to thank faculty, staff and students at Brescia for their cooperation and support and to express my appreciation to colleagues on the administrative and faculty level at the other affiliated colleges and on the main campus with whom I have worked on various committees and in various ways over these past years. I am sure this cooperation and support will be felt by my successor, Sr. Frances Ryan, who assumes office as of July 1, 1974.

HURON COLLEGE

Report of the Principal

THE VENERABLE JOHN GRANT MORDEN

Huron College gives thanks for the lives of the following servants of this College who have died since the presentation of our last Annual Report.

May, 1973. The Rev. Dr. John Henderson, Professor of History and Chief Librarian.

October, 1973. Dr. Eleanor C. Jared, Honorary Fellow and Professor Emeritus, long time Chairman of the Department of English of Huron College.

December, 1973. George Frederick Kingsmill, B.S.A., LL.D., M.B.E., Lifetime Honorary Member of the Huron College Corporation and the first Chairman of the Corporation of this College following the Act of 1958.

February, 1974. The Rt. Rev. Carman J. Queen, B.A., D.D., 7th Bishop of Huron, and Chairman of the Corporation of Huron College.

"Rest eternal grant unto them, O Lord,  
and let light perpetual shine upon them."

With the passing of so many great servants of this College during the past year, Huron College enters a new era of her continuing dedication to "True Religion and Sound Learning."

Huron College is happy to report that the Rt. Rev. Theodore David Ragg, the newly elected 8th Bishop of Huron, is the new Chairman of the Corporation of this College. We are also happy to report that Dr. Robert Brandeis has become the new Chief Librarian of Huron College.

On Wednesday, December 19th, 1973, the Ontario Government announced full government operational grant support for church-related institutions affiliated or federated with the provincially-supported universities in Ontario. Huron College rejoices in that it will now be able to receive full operating grants for the students registered in the Faculty of Arts as of

September 1st, 1974, through our affiliation with the University of Western Ontario. However, it should be observed that the church-related institutions are to receive no capital funds and no additional funds for the Faculty of Theology for the preparing of candidates for ordination. The College will continue to depend on the support of the Church, the Alumni, and her many friends, by whose gifts our buildings have been constructed and maintained, and who have in past years helped us to close the gap between student fee income and the actual cost of the education supplied through the College. We are most grateful for those who have supported us in the past, and particularly to the University of Western Ontario, that has dealt with us so generously. Now as we move into a new period of full government operational support, we have, by the courtesy of the President and his appointed committee under the Chairmanship of the Provost of this University, entered into a new agreement that will continue over the three-year period commencing with the academic year 1974/75. Under this agreement Huron College will continue the splitting of the operational grant on the basis of where the student takes his instruction, and in addition, the College will pay to the University a registration fee of \$150.00 for each student registered at the College. This agreement has been confirmed by the Board of Governors of the University and we are grateful to them and to their representatives who have considered so carefully the needs and the aspirations of the affiliated colleges. Huron College expects in the coming year to register approximately 490 students in the Faculty of Arts. The new fiscal arrangements will make the funding of their education possible without the large size deficit that the College incurred during the academic year 1973/74.

During the academic year 1973/74, Huron College welcomed many distinguished visitors:

Thursday, November 8th, the Rev. Professor F. W. Dillistone, the author of many theological works. Dr. Dillistone spoke on "The Divine Society."

Tuesday, November 13th, Professor W. Walsh, a renowned English scholar, who spoke on "Coleridge: His Theory of Education."

January, 1974, Professor Paul W. Hoon, the Henry Sloane Coffin Professor of Pastoral Theology of Union Theological Seminary, N. Y., became the R. T Orr Visitor to Huron College. He gave a public lecture on "Piety and Theology: The Spiritual Life and the Theological Task." He spent time in dialogue with the faculty and students while in residence.

At the annual Spring Convocation of Huron College on Tuesday, April 23rd the degree of Doctor of Divinity was conferred upon:

The Very Reverend Joachim C. Fricker, B.A., L.Th.  
Dean of the Diocese of Niagara;

The Most Reverend Thaddeus F. Zielinski, D.D.  
Prime Bishop of the Polish National Catholic Church; and

The Venerable Lester J. Patterson, B.A., B.D.  
Archdeacon of Essex in the Diocese of Huron.

At the Spring Convocation two degrees of Bachelor of Ministry, two degrees of Bachelor of Divinity, and seven degrees of Master of Divinity were conferred upon candidates who had earned these degrees. The Convocation was addressed by Dean J. C. Fricker. This was the first Convocation presided over by the Rt. Rev. David Ragg, the newly elected Bishop of Huron and Chairman of the Huron College Corporation.

Huron College has undertaken the building of a new wing to the Silcox Memorial Library. This wing will double the book shelving capacity of the Huron College Library, bringing the capacity to 200,000 volumes. Mr. P. A. DuMoulin and Mr. E. M. Kennedy are co-chairmen of a financial campaign to raise slightly in excess of \$200,000 to cover the capital cost of this library extension. The financial campaign is under the direction of Mr. R. W. Porter. The College is pleased to acknowledge that the construction of this addition has been assisted by a very generous grant from the Richard and Jean Ivey Fund in memory of the late James Richard Shuttleworth, assistant secretary to the Fund and a graduate of Huron College, class of 1963. This wing which is now under construction is to be ready for the fall term and will be officially opened on Founder's Day, December 2nd, 1974.

Mr. President, the academic reputation of Huron College continues to grow in strength as year by year our admission standards and the standards of our graduating students rise in academic excellence. We are proud of our student body, we are grateful for the excellence of our faculty and the zeal that they put into their teaching. This backed by an ever-expanding library collection and the goodwill and co-operation that we receive from you and from all the members of the University staff, make the educational work of this College not only possible, but also a pleasure for all who are engaged in it. I must, in this report, pay a tribute to both Dean Burd and Dean Parke-Taylor, to Miss Catharine Ridley our Registrar, as well as to the administrative offices, teaching faculty, and those of the wider Huron College community, students,

Alumni, Corporation and Board Members, without whose love and work for this College, our academic programs would not be possible.

In conclusion, let me express to the University of Western Ontario, and particularly to you Mr. President, our gratitude, trusting that our services to the wider University community may justify all that you do on our behalf. I cannot think of Huron College apart from the University and I trust that the University will never think of itself in separation from its affiliated colleges. As the University comes towards its centenary year, we of Huron take particular pride in having been the founding college of this great University. At the same time, we must humbly acknowledge our indebtedness and our dependence upon the great institution that the University of Western Ontario has now become. May God bless and prosper the University as a whole, and may we of Huron College be able to make our contribution to the well-being of the whole University community.

All of which is respectfully submitted.



KING'S COLLEGE

Report of the Principal

DR. A. F. McKEE

The year 1973-74 will stand out as a turning point in the history of the College, since in mid-December the provincial government announced a policy of full subsidisation for church-related colleges affiliated with provincial universities. The prospect of steadily growing financial problems disappeared, and King's could plan its future with an assurance of long-term stability.

The year began optimistically with an increase in full-time numbers from 704 to 738, while freshmen recovered to 284 from the 1972-73 low figure of 228. The set-back of 1972-73 seemed to have passed. No little credit for this was due the Registrar's Dept., which had mounted a strong liaison programme.

Full-time faculty increased by four members to thirty-three, two being added in Social Work and in Religious Studies. Part-time and overload assignments represented the equivalent of some further seven full-time staff, so that the faculty-student ratio was approximately 1-19, while including an allowance for part-time students and the net flow from the Constituent University. There were, once again, fewer large classes than in the previous year, though pressure on small classroom and seminar space proved uncomfortably tight.

The emphasis placed by the College on excellence in teaching received gratifying recognition through the reception of OCUFA teaching awards by two members of the College faculty. It is pleasing to record also the rising volume of research, publications and similar work: some 15 members of the faculty are in receipt of internally provided grants for research purposes.

Mr. J. Hardy served as Chairman of the Board during the year. Notable achievements of Board-faculty relations were the conclusion of a permanent document dealing with Conditions of Appointment and the adoption of procedures to cover annual salary negotiations.

A somewhat gloomy financial atmosphere came to prevail in the College in the October-December period, since a sharp fall had occurred in enrolments in Religious Studies courses, the Social Work programme remained unfunded, and doubt existed as to the willingness of the provincial government to increase the level of subsidisation to church-related colleges. Tension had mounted considerably by the time the announcement of improved grants finally came on December 19, subsequently to which it was also learned that the Social Work programme had been granted eligibility for funding.

On the surface, little progress was made during the year on moving towards acceptable solutions of administrative structure and related matters. Major energies were in fact absorbed by the developing financial difficulties, possible lines of action, and then negotiations with the University of Western Ontario concerning allocation of the new funding. However, there can be little doubt that the solution of financial problems for the College, in particular for the Social Work Department, has laid the ground work for easier resolution of structural and other difficulties.

The year saw the first year of operation of the four new Departments grouping the various subjects (excluding Social Work) taught at the College. Several reached cohesion easily and have planned sequences of courses. The Department of Social Sciences groups the largest number of disciplines and had more problems to solve, notably the large influx of students into Sociology

courses. A significant proposal from the Department of Psychology saw the creation of an institute for studies in creativity, which will organise appropriate scholarly activities and sponsor an annual seminar.

After the difficulties of earlier years, it is pleasing to note the favorable developments that occurred for the Social Work Department: many efforts, including the strong support of the Constituent University, finally secured eligibility for full government funding, and the present acting Director, Professor T. Smith, was appointed Director for a three-year term. A significant decision was taken to reduce entry to 40 students in Year II of the programme so as to ease teaching and fourth year placement pressures. In sum, the setting of the Department is now stable and financially underpinned, so that internal development and improvements in the programme and its structure can be confidently studied.

The Student Council functioned well under the leadership of Mr. S. Hall. Further improvements were made in the organisation of student and residence affairs.

While the Arts Lecture series was deferred for a year, the Student Council used annual Beaver awards to bring to the College a number of distinguished speakers. The College's participation in the Western Open House programme in the Fall concluded with a fine piano recital given by a faculty member, Dr. G. Paterson.

The Catholic life of the College improved perceptibly during the year, largely as the result of a team approach by three faculty members. In May, Bishop Carter announced the appointment of a Catholic Commission (chaired by Dr. J. McMuliffe, Academic Vice-President of the University of Windsor) to examine the Catholic life and dimension of the College. It is expected to report during the summer.

In summary of the major events of the year, it is clear that King's has now before it the challenge of clarifying and organising the role it proposes to play within the University of Western Ontario in the near and longer term. Its planning must now reach out to the decade and more ahead, instead of mere preoccupation with the problems of each coming year. There can be little doubt that focussing on constructive academic and related planning in place of fixation on internal structural difficulties will replace previous uncertainties with an optimistic atmosphere of progress and achievement at the College.

A particular debt of gratitude is due the Constituent University for its steady, strong support during the period leading to the governmental decision to maintain and increase funding for church-related colleges, and to its patient understanding during the ensuing financial negotiations. Relations with the other affiliated colleges showed the same manifest goodwill.

UNIVERSITY LIBRARY SYSTEM

Report of the University Chief Librarian

PROFESSOR R. E. LEE

During 1973-74, we -- the members of the Library staff -- began to realize, in a tangible way, some major improvements in library service to the University community. These improvements were brought about as a result of the extensive planning, the dedication, hard work, personal growth and increased expertise of the Library staff during the past three years -- 1970 to 1973. We are now beginning to reap the benefits of our earlier efforts.

Although there remains much to be done in the future for the continuous improvement of library services, I believe that there is sufficient justification for stating that the UWO Library System is responding to present needs and will be responsive to the changing needs of the University; i.e., we are now operating at what could be termed an "adequate" level.

This does not mean that we are immodest about our accomplishments, which were built on the contributions of our predecessors. Prior to 1970, the rapid growth of academic programs required extensive acquisitions of materials made under difficult circumstances: there was not enough space to house additional processing staff, the processing units operated in various locations; and library technology was in a state of rapid and experimental development. As a consequence, the cataloguing backlog increased each year during the period from 1965 to 1970.

The completion of The D. B. Weldon Library was a major turning point, helping to resolve some problems, but it was the Library staff that worked on the problem and subsequently transformed The D. B. Weldon building into a suitable facility as the General Library for the University.

We have reached an "adequate" level of service within the Library System. The things to be done in the future to achieve a degree of excellence in library services have been identified. We can move forward in the development of an effective System, provided the University community is made aware of and supports our needs, and understands our problems as well as our opportunities.

1. Staff

The retention of a well-qualified and experienced library staff requires adequate rewards and appreciation for outstanding performance.

2. Appropriate Recognition

There is a need for further development of understanding relating to the contributions of the eight Libraries in the support and advancement of the learning process, e.g., the significant increase in the use of library materials, services and facilities during the past two years, and the wide range of staff competencies (subject, language, interpersonal, and technical skills) required to respond effectively to the needs of students and faculty.

3. Inflation

There must be a thorough comprehension of the severe effect of inflation on acquiring materials published both in North America as well as other areas of the world for almost all books and periodicals of interest to academic and research libraries.

4. Library Cooperation

Increasing library cooperation among the fifteen provincially-supported Ontario Universities is essential, with realization that each of the Ontario University Libraries should (a) be reason-

ably self-sufficient in respect to library materials to support undergraduate instruction, and (b) realistically interdependent, on a cost-use basis, for the support of graduate programs and faculty research.

#### 5. Automated Circulation Systems

Automated circulation systems have proved their value in respect to (a) speeding up the checking out and control of materials, and (b) providing reliable information on the use of library materials, which will, in turn, provide useful guidelines for collections building and the future development of heavy-demand collections in the Libraries. We now have automated circulation systems for the Heavy Demand and the General Collection in The D. B. Weldon Library, the Natural Sciences Library, and will have a system in operation in the Health Sciences Library during the early part of the 1974 Fall term.

#### 6. Security of the Collections

The University community needs factual data, on an annual basis, concerning library losses (missing books and periodicals -- many of which cannot be replaced) and the necessity for reasonable collection security (electronic security systems or effective turnstile control) in all of the Libraries. Complete inventories or inventories based on sampling have been undertaken in most of the Libraries. Some improvements have been made in turnstile control and physical alterations to improve security. An electronic security system will be installed in The D. B. Weldon Library prior to the 1974 Fall term. However, much more needs to be done to improve security for the other Libraries.

## 7. Information Data Bases

We need to explore additional use of existing information data bases (CAN/SDI, Medline, etc.) in order to provide rapid access to information sources on a particular topic, and to make requested items available to faculty and graduate students either from the Library System collections or through interlibrary loan. The Library System now has CAN/OLE (Canadian On-Line Enquiry) and is providing this service to the University community on an experimental basis.

## 8. Provision of Non-Print Materials

We need to explore and explain the availability and use of non-print materials in support of the learning process for student preparation, study and enquiry outside the classroom. A professor should be able to put a recording, film, or video tape on a list for class preparation. Non-print materials are currently being effectively provided for users of the Education and Music Libraries, and plans are being made for the provision of non-print materials in the Health Sciences Library.

The intent should be to make available significant information in all of the Libraries, with appropriate equipment and facilities, for learning -- regardless of the form in which the information appears. The time has passed when one could seriously question the appropriateness of academic libraries providing a variety of communication forms to increase learning in a multi-media age. Academic libraries must be in a position to support the appropriate use of the proper medium to achieve specific educational and learning objectives.



### COLLECTIONS

Some of the major advances in the development of the library collections were:

- Adopted a systematic method for the monitoring of on-approval plans to evaluate their effectiveness.
- Completed seven major collection appraisal projects (in addition to the ACAP assessments) to determine collection strengths and weaknesses and to plan for needed action (Asian Studies, Political Philosophy, National Government and Politics, International Affairs, Music, French, Abel Bibliography of 1970 and 1971 English Language Imprints).
- Updated and refined collection policy statements.
- Completed a 1971-72 imprint check and ordered retrospective materials to strength library collections.

### PROCESSING

Some of the major achievements in the processing of materials were:

- Kept up with the current input of materials, and also catalogued a backlog of 7,500 volumes.
- Developed procedures to provide better access to uncatalogued materials.
- Acquired MCRS (Micrographic Catalogue Retrieval System) to provide pre-cataloguing data more economically and efficiently.
- Developed a batching workload plan to ensure a smooth workflow and controlled processing of backlogs in The D. B. Weldon Library, Law and Music Libraries.

- Acquired subject guide cards and began filing them in the Union Catalogue. This will aid library users in more rapid and effective use of the catalogue.
- Centralized processing activities:
  - (i) Integrated Health Sciences periodical/serial records in the University Library System Periodicals/Serials master files.
  - (ii) Transferred Law Bibliographic Checking to the General Library.
  - (iii) Centralized processing of Government Publications.
  - iv) Integrated order/receiving for London Teacher's College with the General Library.
- Participated actively in the development of the Ontario Universities' Library Cooperative System (OULCS) projects, i.e.:
  - (i) Developed the Coding Manual for the Monograph Demonstration Project (On-Line Cataloguing Support System).
  - (ii) Helped design and write new programs for the Government Publications Coding System.
  - (iii) Contributed time and data to each of the other projects (Cooperative Union Serials System; Subject Authority System; Map Listing System).

### PUBLIC SERVICES

Some of the major improvements in the provision of service to users were:

- Revised the Lending Code for the Library System to equalize service to users and to maintain consistency in respect to procedures and practices. The Lending Code was approved by the University Senate on December 13, 1973.
- Developed a statement of guidelines, "Standards of Service to Users," to improve and equalize service to users.
- Developed a policy for dealing with "missing" materials to help maintain the quality of the collections.
- Established a Special Collections Room in The D. B. Weldon Library to house unique library materials and rare books which require special handling.
- Completed the physical reorganization of the microform collections. The indexes to these collections are being reviewed and evaluated on a cooperative basis with other provincial Libraries.

### ADMINISTRATIVE SERVICES

Several projects in the areas of administrative services were undertaken and successfully completed:

- Completed the Work Planning and Review Program for all staff to up-date and clarify job functions and responsibilities.
- Prepared and distributed a Library System Policy and Procedures Notebook for each Library, Department and Unit. Copies of the Index were distributed to all staff members.

ADMINISTRATIVE SERVICES - cont.

- Prepared a series of articles for the Western News to increase the University community's awareness of library collections, services and facilities.
- Integrated the London Teacher's College Library, as part of the Education Library, into the University Library System.

LIBRARY COOPERATION

The Ontario Universities' Library Cooperative System (OULCS) was approved by the Council of Ontario Universities in June 1973. The guidelines for the establishment of the System specified that:

- (i) Each Ontario university be prepared to commit itself to participate in an Ontario Universities' Library System.
- (ii) Each university library be essentially self-sufficient in the provision of service for undergraduates and be effectively interdependent in the provision of service for research and graduate use.
- (iii) There be appropriate coordination and centralization of technical processes.
- (iv) Automation be introduced where appropriate.
- (v) That a study should be undertaken to determine the need for centralized storage of less frequently used library materials.

Under the umbrella of OULCS, a number of cooperative projects have been developed. These projects are being supervised by the Office of Library Coordination, Council of Ontario Universities.

The UWO Library System has made major contributions to the development of the OULCS projects. Not the least of these contributions has been the service of Mr. Ralph E. Stierwalt, Assistant Director/Processing, as part-time Director of the Office of Library Coordination. In addition, staff of the UWO Library System have participated fully in every OULCS project.

The major OULCS project has been the development of a computer assisted Cataloguing Support System (Monograph Demonstration Project), which produces catalogue cards, book cards, and spine labels for the participating libraries. This aspect of the system has been designed to increase the speed and efficiency with which monographs can be processed. More importantly, however, use of the system is contributing to the development of a provincial union catalogue of holdings. As of June 1974, the system was operational and the percentage of "hits" for the UWO Library System was remarkably high.

### LIBRARY STATISTICS

#### 1. CATALOGUING STATISTICS (ALL LIBRARIES)

##### New items added to the Collections

	<u>Titles</u>	<u>Volumes (Pieces)</u>
Catalogued	61,576	83,424
Coded (Government Publications)	8,564	10,223
Coded (Choral/Band/Orchestral Scores)	205	9,621
TOTAL	<hr/> 70,345	<hr/> 103,268

2. CIRCULATION STATISTICS

<u>LIBRARY</u>	<u>GEN. COLL.</u>	<u>HEAVY DEMAND</u>	<u>OTHER</u>	<u>TOTAL</u>
BUSINESS LIBRARY	12,674	5,400	39	18,113
*EDUCATION LIBRARY	32,270	12,949	2,590	47,809
ENGINEERING LIBRARY	10,420	1,572	3,000	14,992
HEALTH SCIENCES LIBRARY	24,452	13,873	13,564	51,889
LAW LIBRARY	11,088	17,433	912	29,433
MUSIC LIBRARY	18,499	39,286	20,219	78,004
NATURAL SCIENCES LIBRARY	32,374	24,293	40	56,707
THE D.B. WELDON LIBRARY	205,777	194,491	0	400,268
<u>TOTAL</u>	<u>347,554</u>	<u>309,297</u>	<u>40,364</u>	<u>697,215</u>

NOTE: \*EDUCATION INCLUDES LONDON TEACHER'S COLLEGE  
SINCE JANUARY 1974

3. INTERLIBRARY LOAN STATISTICS (ALL LIBRARIES)Materials Sent by UWO to Other Libraries

Vols.	3,247	
Photocopy	4,152	
<u>Microform</u>	134	
Total		7,533

Materials Received by UWO from Other Libraries

Vols.	2,148	
Photocopy	1,971	
<u>Microform</u>	389	
Total		4,508

4. HEAD COUNT STATISTICS

<u>LIBRARY</u>	<u>1972-73</u>	<u>1973-74</u>
THE D.B. WELDON LIBRARY	1,085,262	1,109,757
NATURAL SCIENCES LIBRARY	-	330,842

TWELVE MONTH SUMMARY OF CHECKOUTS

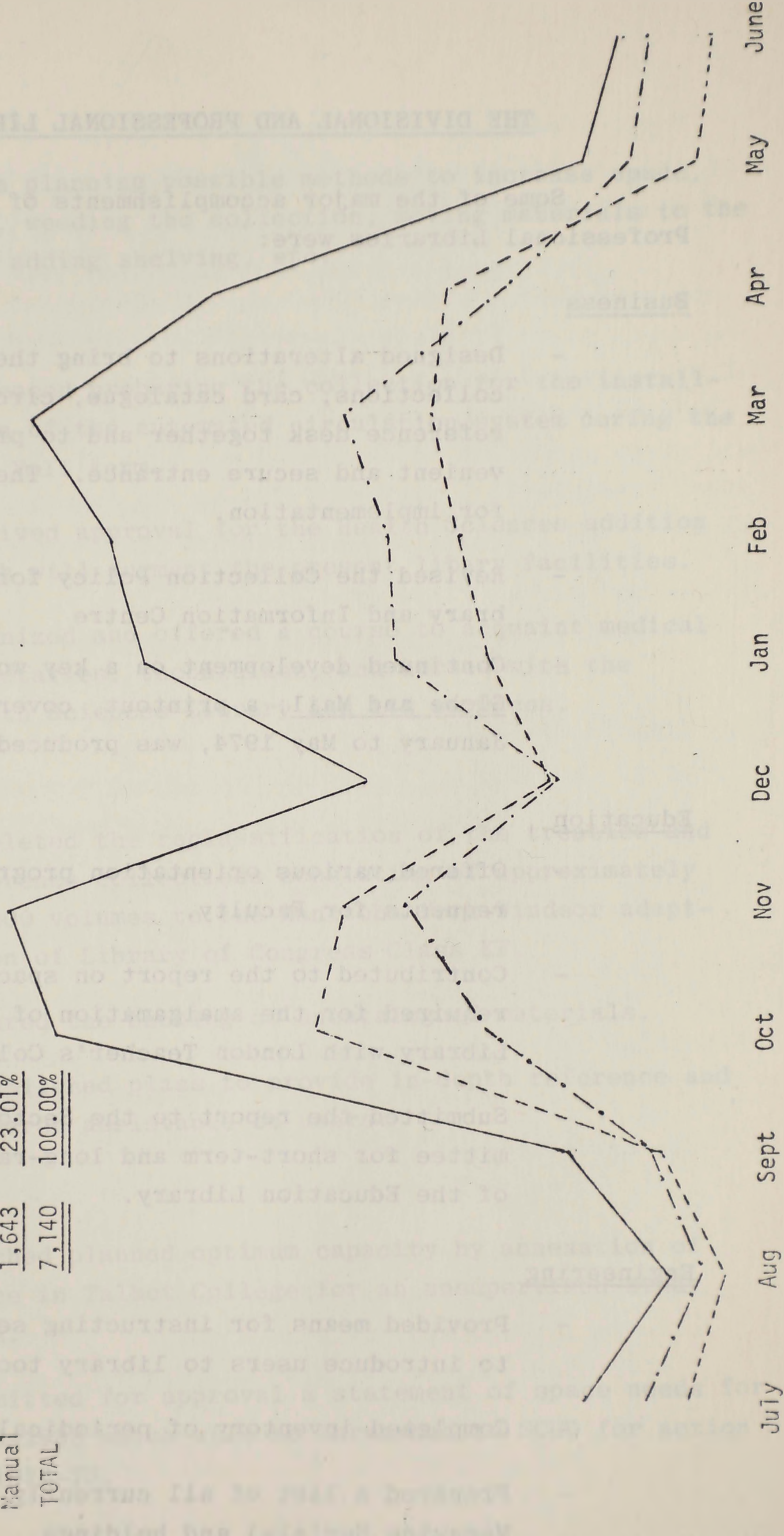
Spencer Room	194,491
General Circulation	205,777
<u>TOTAL CHECKOUTS</u>	<u>400,268</u>

COMPARISON OF AUTOMATED VS. MANUAL TRANSACTIONS FOR GENERAL COLLECTION FOR MONTH OF JUNE 1974

Automated	5,497	76.99%
Manual	1,643	23.01%
<u>TOTAL</u>	<u>7,140</u>	<u>100.00%</u>

NUMBER OF TRANSACTIONS

85  
80  
75  
70  
65  
60  
55  
50  
45  
40  
35  
30  
25  
20  
15  
10  
5  
0



(x 1,000)

SPENCER -----

GENERAL - - - - - TOTAL -----

## THE DIVISIONAL AND PROFESSIONAL LIBRARIES

Some of the major accomplishments of the Divisional/Professional Libraries were:

### Business

- Designed alterations to bring the four reference collections, card catalogue, circulation desk and reference desk together and to provide a more convenient and secure entrance. The plan was approved for implementation.
- Revised the Collection Policy for the Business Library and Information Centre
- Continued development on a key word index to the Globe and Mail; a printout, covering the period from January to May 1974, was produced.

### Education

- Offered various orientation programs and tours at the requests for Faculty.
- Contributed to the report on space requirements required for the amalgamation of Althouse College Library with London Teacher's College Library.
- Submitted the report to the Sector Planning Committee for short-term and long-range space needs of the Education Library.

### Engineering

- Provided means for instructing senior undergraduates to introduce users to library tools and services.
- Completed inventory of periodicals and monographs.
- Prepared a list of all currently received NMS (Non-Magazine Serials) and holdings.



### Engineering - cont.

- Began planning possible methods to increase space, i.e., weeding the collection, moving materials to the RDL, adding shelving, etc.

### Health Sciences

- Commenced preparing the collection for the installation of the automated circulation system during the 1974 Fall term.
- Received approval for the Health Sciences addition which will augment the present library facilities.
- Organized and offered a course to acquaint medical secretaries, technicians, and nurses with the Health Sciences Library and its services.

### Law

- Completed the reclassification of the treatise and reference collections consisting of approximately 30,000 volumes to the Manitoba-York-Windsor adaptation of Library of Congress Class KF.
- Cleared the backlog of uncatalogued materials.
- Established plans to provide in-depth reference and research assistance to users.

### Music

- Reached planned optimum capacity by annexation of space in Talbot College for an unsupervised study area.
- Submitted for approval a statement of space needs for 1973-1998 which will be forwarded to SCUD for action in 1974-75.

Music - cont.

- Renamed the Library's Rare Book/Seminar Room - The Gustav Mahler/Alfred Rosé Room in honour of Alfred Rosé who was made professor emeritus.
- Brief-catalogued the materials housed in The Gustav Mahler/Alfred Rosé Room.
- Appraised several areas of the collection.
- Acquired a microfilm copy of the University of Toronto Music Library recordings card catalogue to facilitate the cataloguing of recordings.
- Completed partial inventory of the collection.

Natural Sciences

- Streamlined various manual procedures to take full advantage of the computerized system.
- Made considerable progress in the Binding Backlog Project.
- Completed an inventory of the collection.
- Completed the first year in the extended building which has doubled the seating capacity and increased the collections capacity.

## SYSTEMS

The Library Systems Unit concentrated its efforts during the year on two major development projects: the Card Production System and the Management Information System.

The Card Production System is a local complementary project to the OULCS Monograph Demonstration Project, which is an on-line system, based in Toronto, for the production of machine-readable cataloguing (MARC) records. The Card Production System accepts MARC records on magnetic tape and produces the catalogue cards required for the catalogues of the UWO Libraries. Development began in July 1973, and the system became fully operational in June 1974.

The Unit also worked closely with staff of the Processing Division in the development of the Cataloguers' Coding Manual for the OULCS Monograph Demonstration Project.

The Management Information System began in the summer of 1973, and is still in the formative stages. In essence, it consists of an attempt to define, collect, compile and evaluate a consistent set of statistics for measuring the performance of the University Library System. This is a large undertaking, virtually unprecedented in library work.

We also began planning in a number of other areas:

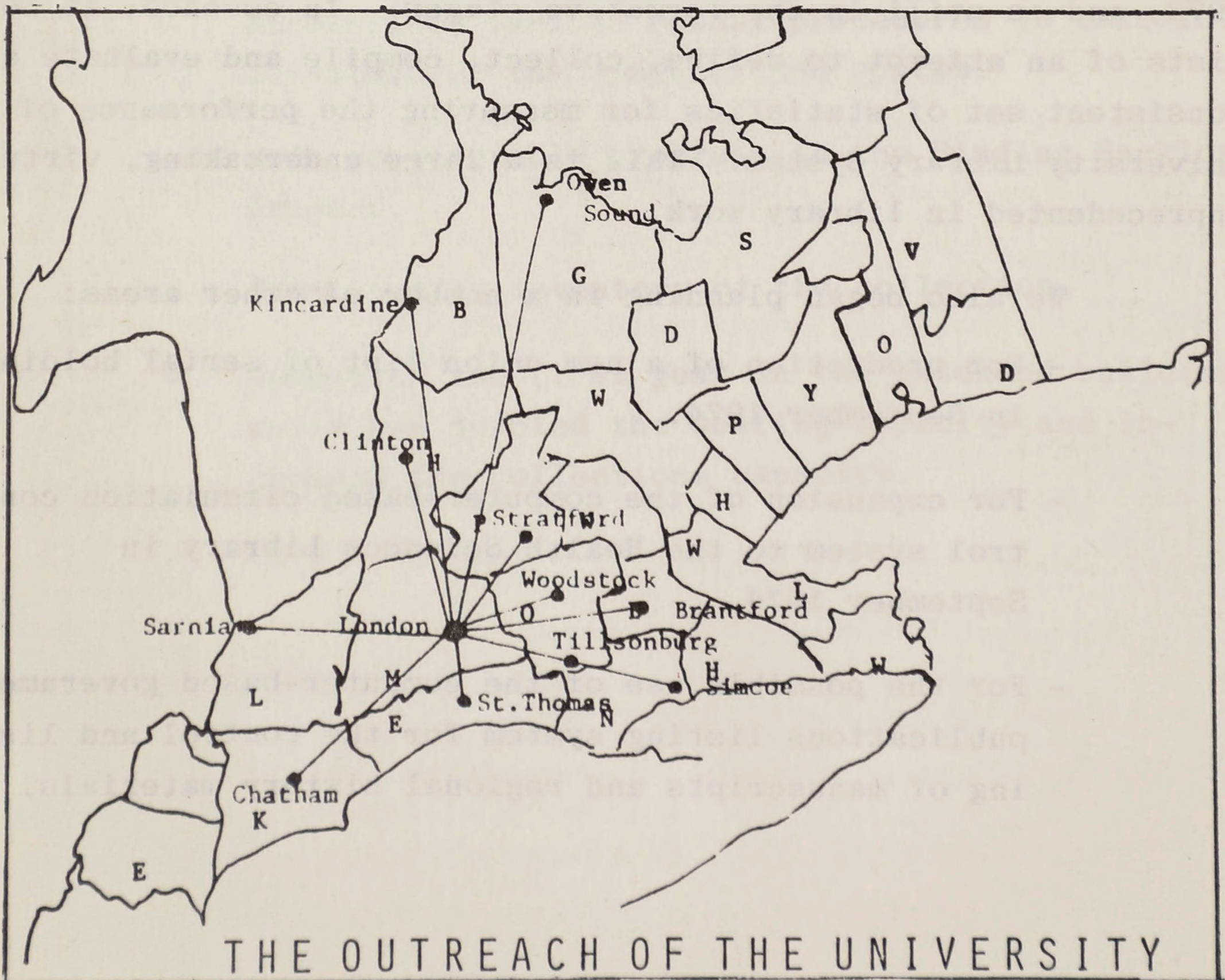
- For production of a new union list of serial holdings in September 1974.
- For expansion of the computer-based circulation control system to the Health Sciences Library in September 1974.
- For the possible use of the computer-based government publications listing system for the control and listing of manuscripts and regional history materials.

THE SUMMER SCHOOL AND EXTENSION DEPARTMENT

Report of the Director

MISS ANGELA M. ARMITT

The Department continued to be broadly responsive to the educational needs of part-time students, not only in the London area but in many of the counties served by Western, as shown on the map below. By offering a wide range of courses in an increasing number of off-campus centres, both summer and winter, as well as a large number on campus, the extension activities of the University make educational resources available to many interested people in south western Ontario. The addition of Kincardine and Simcoe as off-campus centres came as a direct result of requests from the local community, and both give evidence of being very well subscribed.



In October the Summer School and Extension Department moved from University College to more functional offices in the Stevenson-Lawson Building. The proximity to other administrative offices, such as that of the Registrar, has made communication much easier, both for the Department and for part-time students.

In addition to the Saturday morning hours in spring and fall when the Office is open, the Department extended its hours to Wednesday evenings for part-time students, while the Registrar's Office decided to remain open Tuesday evenings. These two extended-hour days each week are proving most helpful for people who wish information, but who through employment are unable to come to the campus during normal University office hours.

The Director visited many communities in south-western Ontario to speak to community organizations or to counsel adults interested in starting or continuing university studies on a part-time basis. She also had other speaking engagements which included a personnel conference in Saint John, N.B., meetings in Toronto and at the McMaster Medical Sciences Centre in Hamilton, and with education directors in Bowmanville.

#### SUMMER SCHOOLS 1973

For the first time the Department offered credit courses in a six-week Intersession from May 14 to June 29 on the main campus to supplement the courses being given at Evening Summer School from May 9 to August 2, and at Day Summer School from July 2 to August 16. Another innovation in 1973 was the provision of courses in Evening and Day Summer Schools at Brantford, Chatham and Sarnia in addition to the courses which had been offered at the off-campus centres of Owen Sound and Trois Pistoles.

One hundred and seventy-seven courses were offered with 4286 students registering for 6065 courses as shown in the following chart. After withdrawals the final count was 5801.5 course registrations which was up from 5393 in 1972.

<u>Centre</u>	<u>Courses</u>	<u>Registrants</u>	<u>Course Registrations</u>
<u>LONDON</u>			
Intersession	14	473	542
Evening	36	1426	1643
Day	92	2171	2983
<u>BRANTFORD</u>			
Evening	2		73
Day	3	120	87
<u>CHATHAM</u>			
Evening	3	81	57
Day	3		34
<u>OWEN SOUND</u>			
Day	18	258	365
<u>SARNIA</u>			
Evening	3	217	171
Day	3		110

### EXTENSION CLASSES 1973 - 1974

Evening classes in London were integrated for full and part-time students in the fall of 1973. While there have been a number of difficulties, it is hoped that in time these can be solved.

The number of classes and course registrations for the Saturday morning classes in London and classes at the off-campus centres are listed below:

<u>Location</u>	<u>Students</u>	<u>Course Registrations</u>
London - Saturdays	105	105
Brantford	166	195
Chatham	95	109
Clinton	125	139
Kincardine	53	53
Owen Sound	226	259
St. Thomas	133	144
Sarnia	401	512
Simcoe	88	92
Stratford	69	72
Tillsonburg	57	60
Woodstock	<u>104</u>	<u>110</u>
TOTAL	<u>1622</u>	<u>1850</u>

The final 1973-74 statistics indicate that 3851 part-time students took 4902 courses in London, the outside centres and by correspondence, compared with 4260 in 1972-73.

### CORRESPONDENCE

There were 169 students taking 191 courses by correspondence. Most of these students were from seven provinces of Canada, but three were also registered from the United States, one from Singapore and one from Brazil.

CONTINUING EDUCATION

During the academic year continuing education non-credit programs were offered in the evenings and included general interest courses as well as courses designed for professional upgrading and certification. New courses included a nine-lecture series entitled "Enjoying Modern Painting". "A Course for Theatre Goers" was offered in the fall and during the winter in cooperation with Theatre London and the London Public Library and Art Museum. Two other programs entitled "Art of the Loom" and "Challenges of the Seventies" were offered at the Public Library.

In cooperation with the Forest City Senior Community Centre, the Department offered a series "Learning Can Be Ageless" for the benefit of senior citizens. Approximately 200 senior citizens expressed an interest in this program and the average attendance was 95 with a high of 165 for the four evening sessions which were held in February and March. This series was subsidized by the Department so that senior citizens did not pay any fee for the lectures. The Director of the Department and the Director of University Relations were co-chairmen of the forum for senior citizens in April which attracted about 150 people.

The Department also cooperated with the University of Guelph in offering on the Western campus "Introductory Farming" and "Beef Management" courses for the novice farmer. Ninety-five registrations were received for these courses.

During the summer many programs were offered during the daytime. Out-of-town participants lived in residence. In early July, 1973, 138 music teachers from all over Ontario attended the "Workshop for Teachers of Music" which was offered in cooperation with the Faculty of Music and the Western Ontario Conservatory of Music.



Three three-day "Workshops on Evaluation of Student Nurse Clinical Performance" were offered in September, May and June and all were oversubscribed with a total of 103 participants. The cross-country response to these workshops indicates that there is a continuing and vital need for continuing education programs for nurses.

The first Earth Science Workshop offered under the financial sponsorship of Shell Canada drew a heavy response from geography and science teachers. The 21 participants were selected from nearly 100 applications with representation from coast to coast. This program provided the opportunity for teachers to study together for four weeks, and included field trips to the Sudbury, Niagara Falls and South-western Ontario areas.

In cooperation with Althouse College of Education, a variety of short courses was again offered for teachers to meet specific needs resulting from the introduction of new curricula or the revision of existing ones. These programs were offered during July and August, 1973, for 110 registrants as well as for 80 in June, 1974, when school boards released their staff to participate in these professional development courses.

In mid-June 46 physical education teachers attended the one-week Western Modern Sports Clinic which was co-sponsored with the Faculty of Physical Education. Approximately 200 teachers attended a one-day workshop for Grade 13 physical education teachers which was held at the end of June, 1974, by the Faculty of Physical Education and the Faculty of Education.

#### LANGUAGE PROGRAM

For the first time on the London campus, the University participated in the Federal-Provincial Summer Language Program. Seventy-one bursaries were received for students to take a six-week English Language course

during Summer School. In addition there were 19 other participants, including three from Europe, two from Mexico and one from Japan. The academic program included lectures and laboratories daily from 8:00 a.m. to noon, and afternoon workshops in drama, music, physical education, and arts and crafts four afternoons per week. As part of the socio-cultural program, the students visited Niagara Falls, the Science Centre in Toronto and the Stratford Shakespearean Festival to see "The Taming of The Shrew". There also were local afternoon excursions to Fanshawe Pioneer Village, Arkona and Grand Bend.

NON-CREDIT REGISTRATIONS July 1, 1973 - June 30, 1974

Auditing Credit Course Registrations ..... 123

General Interest Courses

Registrations

Life Drawing (fall) .....	26
Life Drawing (winter) .....	16
Enjoying Modern Painting .....	39
Art of the Loom .....	23
Contemporary World Affairs .....	21
Course for Theatre Goers - Part 1 .....	26
Course for Theatre Goers - Part 2 .....	17
Parliamentary Procedure .....	12
Science Fiction - Myth, Reality, etc. ....	9
You and Your Will .....	5
Women in Literature .....	4
Challenges in the Seventies .....	13
Learning Can Be Ageless .....	165
Communications (Speech) .....	5
Communications (Basic Writing) .....	6
English as a Working Language (fall) .....	41
English as a Working Language (winter) .....	20
French Conversation (fall) .....	73
French Conversation (winter) .....	38
Farming Today (in cooperation with Univ.of Guelph)	50

654

Professional Upgrading

Access to Medical Information .....	24
Appraisal II .....	37
Business Administration - Introduction .....	41
Business Contract Law .....	19
Business Strategy .....	12
Communications (Interpersonal) .....	61

Professional Upgrading Courses continued

Contemporary Pharmacology .....	8
Economics - Introduction .....	10
Financial Accounting .....	13
Fundamentals of Accounting .....	77
Welfare Officers - Part I .....	21
Welfare Officers - Part II .....	19
Welfare Officers - Part III .....	18
Registered Industrial Accountants	
Economics .....	29
Commercial Law .....	15
Accounting for Cost .....	31
Auditing .....	23
CMA .....	14
Data Processing .....	22
Accounting Theory and Processing .....	16
Organizational Behaviour .....	13
Quantitative Methods .....	17

SUMMER COURSES AND WORKSHOPS

July 2- 6	Current Audio-Visual Practices .....	12
July 9-13	Teaching the New Course in World Religions	15
July 2-13	Improving Student Reading Techniques .....	29
July 2-20	Conscious-active Method of Teaching French	12
July 1-16	English Language Summer School .....	90
July 3-27	Shell Canada Earth Science Workshop .....	21
July 4- 6	Teachers of Music .....	138
July 3- 6	Suzuki String Workshop .....	26
Aug.27-31	Seminar for Elementary School Principals..	16
Aug.13-17	History and Geog. at Intermediate Level ..	12
Aug.13-17	Man in Society	
Sept.3- 6	Workshop on Evaluation of Student Nurse Clinical Performance (Sept.) .....	32
May 12-15	Workshops on Evaluation of Student	
and June 18-21	Nurse Clinical Performance (74) .....	71
June 17-21	Informatics (A) .....	2
June 17-21	Informatics (B) .....	8
June 17-20	Curriculum Design in Hist.and Social Sc. .	16
June 24-26	The English Curriculum in the Seventies ..	26
June 24-26	Children's Literature .....	13
June 27-29	Listening and Looking as Bases in Curriculum Planning for English .....	15
June 17-21	Western Modern Sports Clinic .....	46
June 26	Workshop for Grade 13 Physical Ed.Teachers	200

814

TOTAL -- 2230

## TROIS-PISTOLES SUMMER SCHOOL

The 1973 session of the Trois-Pistoles Summer School was held from July 3 to August 15 with Mr. Wilfrid Parisien as Acting Director. The student enrolment was 250, an increase of 23 over the 1972 summer session. There were 219 students studying French, 31 enrolled in English courses.

Although mainly composed of students from Ontario, all Canadian provinces were represented except Nova Scotia. There were eight students registered from the United States.

The University of Western Ontario was granted a number of bursaries from the Summer Language Bursary Program for Canadian or landed immigrant students wishing to learn French as a second language at the Trois-Pistoles Summer School. One hundred and seventy-six English speaking students came to the School under this special program. We also had eight secondary school teachers who attended our School under the Second Language Teachers Bursary Program.

In addition to the Trois-Pistoles Summer School staff there were sixteen instructors in French, two in English. There were four workshop "animateurs", one for the student newspaper, one for the folk dancing, one for the photo-club and the fourth for the chorale.

Amongst the distinguished guests to visit our School during the 1973 session were the Vice-President (Academic) and Provost, Dr. R.J. Rossiter, from the Board of Governors, Mr. W.C.P. Baldwin and Mrs. Baldwin, the Assistant to the Vice-President (Academic) Dr. W.S. Turner and Mrs. Turner, the Director of Summer School and Extension, Miss Angela M. Armitt, the Acting Comptroller, Mr. Hugh Rooney and Mrs. Rooney, and a past director Mr. Fred Harper.

An elaborate program of cultural activities was organized, such as films, plays, concerts. Chantothèques were held once a week whereby students could invite their families to join them for a social evening and they supplied their own entertainment by singing and playing their own musical instruments. The folk dancing and chorale workshops put on a concert for the student body, staff and the townspeople at the end of the session.

Two excursions were organized for the students, one to Quebec City and the other to the Gaspé Peninsula.

OFFICE OF INTERNATIONAL EDUCATION

## Report of the Executive Secretary

MR. A.E.D. MacKENZIEINTRODUCTION

A number of significant changes have occurred within the Office of International Education over the past year. In March 1974 Mr. Doug MacKenzie became Acting Executive Secretary when Dr. D. G. Simpson took a full-time leave of absence to join the International Development Research Centre. During the year Mrs. Barbara Park joined the staff and in March Mr. Ian Smillie was appointed as Assistant Executive Secretary. Mr. Smillie previously worked in education and in housing co-operatives in West Africa and Bangladesh. Miss Martha Elliott joined the office as Administrative Assistant and Mrs. Shanthi Radcliffe continues on the staff as Assistant Secretary in charge of resources and information.

OFFICE

The newly redefined terms of reference of the Office of International Education are as follows:

1. The Office of International Education assists in developing the international dimensions of this University. To this end the Office establishes and maintains liaison with departments, faculty and students of the University of Western Ontario, government agencies at home and abroad, foundations, other universities and any other groups interested in international activities in order to:
  - (a) advise on the establishment of contractual arrangements with foreign universities.
  - (b) encourage research of an international nature.
  - (c) encourage and support curriculum development (including student exchanges and study abroad programs).
  - (d) assist with community education related to international understanding.

2. The Office encourages meaningful contact in all areas of university activity, with the experience and perspectives emanating from other cultures, especially non-Western cultures, in order to enrich the intellectual and social life of the university and community.

While several of the programs and projects developed by the Office with various departments of the University relate to Europe, the focus of the Office has been on countries of the Third World, partly because many faculty members already have reasonable connections with American and European colleagues, but also because, at a time when inter-relationships between the West and the Third World are becoming more evident, many of the schools and universities of North America have not paid a great deal of attention to this part of the world. It is felt that the University of Western Ontario has established and continues to develop a very respectable reputation with regard to such programmes, to a great extent through the efforts made by the Office of International Education over the past five years.

In September the Office moved to a more accessible location in the centre of campus, in the Stevenson-Lawson Building. This has meant a greatly increased flow of students and faculty to the office in search of information on programmes of study abroad and funding for research and projects overseas. Between October and March, the busiest season, we serviced approximately 74 such requests.

#### CAMPUS ACTIVITIES

Various programmes, seminars and activities were initiated on the campus by the Office of International Education in the past year, aimed at heightening awareness of international developments, particularly in the field of education.

A Study Service Seminar which was sponsored jointly by the Office of International Education and the London Board of Education was held at Ryerson Public School on October 5, 1973. Participants included representatives from Boards of Education across the province, the Department of Education, Canadian Association for Adult Education, Canadian Labour

Congress, several Ontario universities as well as groups such as Frontier College and Canadian Crossroads International. Dr. Alec Dickson, Director of the Community Volunteers Service, London, England, was the key speaker.

The Study Service Committee of the London Board of Education was asked to assume the leadership roll in follow-up activities and to communicate with participants in program planning.

In December, in conjunction with Althouse College of Education, the Office organized an interdisciplinary seminar to discuss the Faure Report on world education. The seminar was held in conjunction with others across Canada to determine ways in which the Faure Report, sponsored by UNESCO, might be implemented.

In the past, the Office has been very much involved in Native People's programs and has assisted various projects both through the Office and the Cross-Cultural Learner Centre including a Curriculum Development Project operated through the Native People's Resource Centre and funded by the Department of Indian Affairs. In April a meeting was held to bring together for the first time, faculty and staff of the University with on-going projects and activities with Native People. The meeting included representatives from the Business School, Computer Science and Althouse College of Education as well as community groups and representatives from Fanshawe College. This meeting acted as the first forum in the London area for co-ordination of ideas and efforts in this field.

The Office continues to publish its bi-monthly newsletter "VIEW" which contains information on Office and Cross-Cultural Centre activities, as well as events in Canada and internationally which are within our areas of interest.

#### EXCHANGE PROGRAMMES

During the past year, the Office of International Education was active in a co-ordination role in assisting various Departments of the University in developing international programmes. An academic exchange programme between the Faculty of Dentistry and the University of Antioquia in Colombia was successfully developed. Student exchange programs in the French and German Departments continued or were developed. The Office was active in the successful development of a technical exchange program between the School of Library and Information Science and schools of a similar nature in the Caribbean. This program is especially interesting in that it aims at co-ordinating for the first time library science programmes in the Spanish-speaking Caribbean.



In January Mr. Doug MacKenzie visited Bangladesh with Drs. John and Mary McKim to investigate the possibilities of a rural health training project between the University of Western Ontario and the Government of Bangladesh. At this time the Office was also actively involved in assisting the Departments of Geography, Sociology and Economics in developing a multidisciplinary project in economic development planning in the Lake Izabal area of Guatemala. In April, the Office began a detailed study on the problems of the jute crop and industry which accounts for 90% of the foreign exchange earnings of Bangladesh. Individuals in the Business School and the Economics Department as well as outside agencies such as UNDP, IBRD and CIDA have also been involved in the study which aims at increasing awareness and the possible development of technical assistance in this important area.

The Office assisted the Faculty of Education in developing and securing a faculty exchange program with the University of Guyana.

The Office was also involved in a project to second two King's College students to the St. Mungo Community Trust in London, England and is currently involved in the development of an exchange program between the Faculty of Medicine and the University of Chantegar in India. Our liaison and exchange with COMCARC, a Barbados version of the Cross-Cultural Learner Centre continues with support from CIDA.

The Office, in conjunction with Dr. J. S. McKim of the Faculty of Medicine has developed a programme of medical electives overseas in developing countries for final year students. This year 5 students were both funded and placed in overseas hospitals- 3 in India, 1 in the Caribbean and 1 in Botswana. All of these students are currently on assignment and we are receiving progress reports on their experiences, which will be used to expand the programme next year.

#### OUTSIDE AGENCIES

The Office continued its close relations with outside agencies in the past year. The CUSO West Africa and East and Central Africa orientation programmes for 250 volunteers were again held at Westminster College under the auspices of the Office, using the Cross-Cultural Learner Centre as the operational focus for the programmes. Other CUSO, World University Service and Crossroads programmes used the facilities of the Centre as did various Church Groups and individuals.

In the Spring the Office was contracted by WUSC to develop an educational component for its planned "Third World Week" on ten campuses across Canada. Among the initiatives being organized by the Office are a week-long film series, ten versions of a campus-style newspaper and various seminars, two of which will be held at Western.

The Office has also worked with Canadian Crossroads International to set up a programme in Sri Lanka. The first five volunteers are presently in that country working with the Sarvodaya Movement on village reconstruction. A further 3 volunteers are expected to go out in the Fall, and next year plans are underway to bring a volunteer to Canada from Sri Lanka on an exchange basis.

In June Mr. Ian Smillie, Assistant Executive Secretary of the Office was appointed CUSO Local Committee Chairman and in future the CUSO office and activities will operate from the Office of International Education.

#### CROSS-CULTURAL LEARNER CENTRE

The Cross-Cultural Learner Centre had a successful year under the auspices of the Office, and in the spring began negotiations to move its affiliation to the Faculty of Education in accordance with the SCUD proposals.

The orientation programmes operated by the Centre continued the development of the random access inter-disciplinary data bank which was moved to the University's facilities for the first time in 1974 by the Department of Computer Science. During one three month period in the past year, 500 university people in organized groups used the centre, as well, over 1,000 community people in groups, thus continuing the close link between university and community which the Centre provides.

In addition to its orientation programmes, the Centre developed three six-week Third World Study programmes, educational week-ends and workshops for teachers. In October a Development Education Workshop was organized, the theme of which was "education for international understanding". This workshop, attended by many teachers from the London community as well as faculty and students of the University, was held at the Cross-Cultural Learner Centre and was regarded by participants as a useful experience. The Centre also continued its

THE UNIVERSITY OF WESTMINSTER

sponsorship of the Native Peoples Resource Centre which promotes historical and cultural self-awareness of Native People in South Western Ontario. Among its projects in the past year have been the Native Arts Guild and a Curriculum Development Project. The Native Arts Guild, through exhibits, workshops and the development of resources has worked towards the continuing evolution of Native Art forms. The Curriculum Development Project has aimed at providing native students in the area with more culturally relevant curriculum materials and to increase their awareness of the Native Peoples in the region.

The Office would like to express its sincere thanks to the members of the Accounting Department, the Senate Advisory Committee and to Mr. Neil Campbell and his staff at Westminster College for their co-operation and very able assistance throughout the past year. In particular we would like to express our appreciation to Dr. Simpson for his continuing interest and commitment to this Office and to the Cross-Cultural Learner Centre.

COUNCIL OF UNIVERSITY THEATRES AND ART

Report of the Chairman

PROFESSOR P. D. FLECK

The Council for University Theatres and Art was established by Senate in 1970 to coordinate cultural activities on the campus which take place in Talbot Theatre, the McIntosh Gallery, Alumni Hall, Althouse Theatre, Middlesex Theatre, and any other specialized University facility for cultural events used by a variety of groups. The Council also acts as a central clearing-house for all information relative to cultural activities both on campus and in the community. In addition to its function as co-ordinator and clearing-house, the Council is responsible for the administration of the budget approved for the maintenance and operation of the CUTA office itself, of Talbot Theatre, and of the McIntosh Art Gallery. The Council's membership is drawn from Senate, from the groups who use the facilities for which Council is responsible, and from the students and the alumni of the university.

I Coordination

Exhibit I accounts for attendance at events in the facilities listed above. Organizations both from the University and the London Community have presented programs in the University Theatres and the McIntosh Gallery. Participant organizations have included the following:

Faculty of Music  
 Department of French  
 Department of English  
 University Students' Council  
 Meds. Tachycardia  
 Western Film Board  
 Chaplains Film Series  
 Brescia Alumnae  
 Alumni Great Artist Concert Series  
 London Board of Education  
 Middlesex County Board of Education  
 London Secondary School Drama Festival  
 London Symphony Orchestra  
 London Youth Symphony Orchestra  
 Association Francaise  
 S.P.E.B.S.Q.S.A. (Barber Shop Quartet Singing)

II Information

CUTA has twice a year published a full calendar of events occurring on campus, and it has published a monthly bulletin from September through May. The difficulty of getting an up-to-date account of all events six months in advance and the cost of producing the calendars have prompted Council to adopt only the monthly calendar for 1974-75. Information is gleaned from campus groups, departments, faculties and alumni.

### III Administration and Budget

Exhibit II accounts for the Council's 1973-74 budget. Once the total available is known, Council allocates funds to its various sub-committees for their activities.

The Theatre Committee is responsible for the expenditure of funds for the maintenance and operation of Talbot Theatre and for the programming of Talbot Theatre Centre. Talbot Theatre Centre is a program of productions subsidized by CUTA funds and has included the mounting of student productions in a summer repertory season and the importing of productions from outside the University during the fall/winter terms.

The Art Committee is responsible for the expenditure of funds for the maintenance and operation of McIntosh Gallery, for exhibition programs and policy, and for the purchase of works of art from the McIntosh Fund. The committee is also responsible for approving any works of art purchased with university funds. Finally, the committee recommends to the Vice-Chancellor the appointment of the artist-in-residence.

The Executive Committee of Council is responsible for the administration of the budget of the CUTA General Office.

### IV Programs in Talbot Theatre and the McIntosh Art Gallery

Exhibit III gives an account of the events held in these two facilities.

### V Gifts

The Council wishes to record its gratitude for the generous gifts of works of art made by The Toronto Alumni of the School of Business Administration, by Mr. S. Weir for the Weir Foundation 1972, by Mr. Ken Tolmie, and by an anonymous donor. These gifts considerably enhance the University's collection.

### VI Resignation of Mrs. Wesanne McKellar as Executive Secretary of CUTA

The Council wishes to record its indebtedness to Mrs. McKellar, who was appointed Executive Secretary when the Council was established. More than any other single person, she has given CUTA its identity, and her tireless labors have firmly established the CUTA Office as a storehouse of information and assistance for the use of students and faculty and the London Community.

VII As a result of Mrs. McKellar's resignation, Miss Marion Wood has assumed the double role of Executive Secretary of CUTA and Theatres Manager for 1974-75. Over this year, CUTA will examine its terms of reference, its organization, and the allocation of its administrative resources in order to determine how, after these first four years of its operation, it may best continue to serve the University and the Community.

	University Students Council - SEB	Great Artists' Concerts Series	Special Events	Off-Campus Users	MONTHLY TOTAL
June			9,200	2,000	11,200
September	6,200	2,200	3,000		11,400
October	7,900	2,300	5,100		15,300
November	3,900	9,260	2,000	4,000	19,160
December	1,600			3,200	4,800
January	1,600	4,600			6,200
February	3,200		1,200	2,400	6,800
March		4,600	1,000		5,600
April	1,200	2,300			3,500
May			11,250	8,700	19,950
TOTAL	25,600	25,260	32,750	20,300	

ALTHOUSE THEATRE 1973 - 74

	Dramatic Productions	Recitals & Concerts	Conferences & Club Meetings - Lectures	MONTHLY TOTAL
October		500	1,300	1,800
November		700	1,000	1,700
January	650			650
February	250			250
March	250		1,000	1,250
April	600			600
TOTAL	1,750	1,200	3,300	

## Attendance Figures

## Films

June	1,200	
July	825	
August	357	
September	1,095	53
October	2,679	70
November	1,527	300
December	634	
January	732	280
February	914	514
March	1,567	485
April	750 (est.)	
May	300 (est.)	
TOTAL	12,580	1,702



MIDDLESEX COLLEGE THEATRE 1973 - 74

Films	Student Club Meetings & General	MONTHLY TOTAL
June	400	520
July		500
August		500
September - April		1,400
September - March		1,440
September - March		11,250
TOTAL	400	

June 120

520

July 500

500

August 500

500

September - April French Film Series (seven films)

1,400

1,400

September - March India Canada Movies

1,440

1,440

September - March Western Film Board Series

11,250

11,250

TOTAL 15,210

400

Attendance Totals

Recitals & Concerts

Drama

	Drama	Recitals & Concerts
June		
July	1,341	
September		540
October		475
November	1,493	925
December	176	270
January	3,562	
February	3,810	150
March	1,707	275
April	163	
May		
TOTALS	12,252	2,635

CUTA

1973-74 Budget

CUTA General Office

Advertising	\$10,000	
Supplies	1,500	
Telephones	500	
Salaries (full-time)	15,128	
Travel	400	
Subsidies	3,000	
Talbot Theatre Centre	12,000	
Contingencies	1,000	
Miscellaneous	200	
		\$43,728

Alumni Hall Sub-Committee

Salaries	\$ 2,662	
Travel	100	
Miscellaneous	50	
		2,812

Art Sub-Committee

Furniture and Fittings	\$ 500	
Apparatus	500	
Supplies	7,230	
Salaries (full-time)	32,696	
Salaries (part-time)	2,000	
Travel	950	
Miscellaneous	400	
		44,276

Talbot Sub-Committee

Apparatus	\$ 150	
Supplies	2,540	
Telephone	450	
Rental of Equipment	50	
Salaries (full-time)	23,541	
Salaries (part-time)	2,129	
Travel	100	
Miscellaneous	500	
		<u>29,460</u>

\$120,276

C.U.T.A. PROGRAMMES 1973 - 74

McINTOSH GALLERY - EXHIBITIONS:

May 2 - June 3	CANADIAN SOCIETY OF GRAPHIC ART 40th Annual Exhibition.
June 9 - July 9	APPEL'S APPELS (in conjunction with the London Public Library & Art Museum).
July 11 - Sept. 2	The University of Western Ontario Alumni Collection.
Sept. 5 - Sept. 30	PERE UBU (prints by Rouault) A RAKE'S PROGRESS and Other Engravings by William Hogar
Oct. 3 - Oct. 14	RECENT REFLECTIONS (UWO Fine Art Faculty Exhibition).
Oct. 17 - Nov. 18	IVAN EYRE (presented by the Festival of Arts Alumni Association UWO).
Nov. 21 - Dec. 16	Don Bonham presents HERMEN GOODE AESTHETICS RACING TEAM
Jan. 9 - Feb. 3	Raymond Spiers: SCULPTURE.
Feb. 5 - Feb. 10	CONTEMPORARY PRINTS from the University Collection.
Feb. 13 - March 10	Fourth Year Honours Visual Arts GRADUATE EXHIBITION.
March 13 - April 14	ESKIMO WALL HANGINGS.
April 17 - May 26	Ray Robinson - DRAWN IMAGES.

FILMS ON ART

25 showings from September 27 to March 28.

. . . . .

TALBOT THEATRE

<u>Month</u>	<u>Production</u>	<u>No. of Performance</u>
July	Talbot Theatre Centre Programmes -	
	WHAT THE BUTLER SAW	5
	MORNING'S AT SEVEN	5
	THE WINTER'S TALE	5
September	Faculty of Music -	
	Recital - C. Dalkert	1
	Concert - P. Murphy	1

TALBOT THEATRE (continued)

<u>Month</u>	<u>Production</u>	<u>No. of Performances</u>
October	Faculty of Music - Noon Hour Concert U.W.O. Wind Ensemble	1
	Recital - S. Seiffert	1
	THE MARQUISE (Players Guild)	5
November	Faculty of Music - U.W.O. Symphony Concert	1
	TEN WOMEN, TWO MEN AND A MOOSE (Mia Anderson, on tour)	1
	L'AVARE (Dept. of French) Le Treteau de Paris, on tour	1
	Faculty of Music - Choral Concert	1
	Noon Hour Concert, U.W.O. Symphony Orchestra	1
	TORONTO DANCE THEATRE (on Tour)	2
	Faculty of Music Concert - U.W.O. Wind Ensemble	1
December	LETTERS FROM THE EARTH (Toronto Workshop Productions, on tour)	1
	Faculty of Music - Noon Hour Concert - U.W.O. Symphonic Band	1
	January	THE MIKADO (Gilbert & Sullivan Society)
February	Faculty of Music Noon Hour Concert - U.W.O. Wind Ensemble	1
	MAME (Purple Patches)	11
	Faculty of Music - Noon Hour Concert - U.W.O. Symphonic Band	1

TALBOT THEATRE (continued)

<u>Month</u>	<u>Production</u>	<u>No. of Performances</u>
March	THE COUNTRY WIFE (Dept. of English)	5
	Faculty of Music - NEW MUSIC COLLOQUIM	3
	Concert - U.W.O. Symphony Orchestra	1
	Concert - U.W.O. Wind Ensemble	1
April	London Secondary School Drama Festival (one-act plays)	5
	London Elementary School Drama Festival (one-act plays and/or scenes)	11
		TOTAL
		83

REHEARSALS & SET CONSTRUCTION

Rehearsal time for campus-produced events varies from 3 hours for concerts to 2 weeks for a full theatrical production. (Preliminary rehearsals are held elsewhere). Five weeks in the theatre workshops are scheduled for set, costume and properties construction for the four major events.

TOURING SHOW SET-UPS

Set-up and lighting of touring shows varies from 6 to 30 hours for each event.

THE COMPUTING CENTRE

## Report of the Director

MR. G. T. LAKE

Demand for computing services continued to grow during 1973/74. As the following table shows, the number of batch processing jobs increased by almost 29% over the previous year and the number of time sharing terminal sessions increased by just over 20%. Total jobs of all kinds increased by over 25%. Use of batch processing on the PDP10 and off-campus facilities continued to diminish as students and faculty became more familiar with the newer Cyber 73 system. The total of over 1/4 million jobs handled during the year represents an average work load of over 700 jobs per day, every day of the year.

At the beginning of the year just past, a significant change was made in the arrangements for maintenance of the PDP10 computer equipment. A study of the activities and material costs involved in maintaining the PDP10 system indicated that a significant saving could be achieved through the use of Computing Centre personnel to perform this function, rather than having the work done under contract. The PDP10 computer system has now been successfully maintained for a full year at costs amounting to approximately two thirds of previous levels. An unforeseen side benefit of this activity has been an improvement in reliability of the system, a tribute to the personnel involved and their diligence.

TABLE: User Jobs Processed Annually 1965-74

Year*	Batch Jobs					Time Sharing	Total
	IBM 7040	Cyber 73	PDP10	Off Campus	Sub Total	PDP10	
1965/66	20744	-	-	-	20744	-	20744
1966/67	40577	-	-	-	40577	-	40577
1967/68	62016	-	-	-	62016	-	62016
1968/69	77988	-	-	-	77988	-	77988
1969/70	66939	-	32914	288	100141	29925	130066
1970/71	40070	-	36664	8229	84963	33045	118008
1971/72	16929	35529	44666	5681	102805	54844	157649
1972/73	-	118684	9701	811	129196	75191	204387
1973/74	-	157773	8105	325	166203	90452	256655

\* for the period May 1 - April 30 annually.



LABORATORY ANIMAL SERVICESUNIVERSITY COUNCIL ON ANIMAL CARE

## Report of the Director

DR. D. H. PERCY

The University Council on Animal Care meets on two occasions during the academic year (Chairman, Dr. R.B. Philp). In addition, considerable activity occurs at the local level (See Part III).

- (I) Of primary concern to the Council during the past year have been the implications of the total cost recovery financing concept as applied to certain animal care operations on campus. Although ideally such operations would be completely self-supporting, outside financial support has failed to keep pace with operating costs, resulting in the inability to recover all costs without some measure of financial support from the University. Dialogue with the Senate Budget and Finance Committee and Financial Planning and Budgeting occurred on numerous occasions during the past year. There have been several points emphasized by representatives of The University Council on Animal Care in these negotiations: (1) Animal Care Services provide an essential service to the University and therefore do merit financial support in order to insure that this service may continue to serve the needs for teaching and research. (2) Many graduate students utilize animals in their research projects. With the current and projected B.I.U. values for graduate students in Canada, these students represent an income to the University of many thousands of dollars. (3) A comparison of Animal Care operations at this University with similar operations at other Universities in Canada and the U.S.A. reveal that animal care services elsewhere do receive varying degrees of financial subsidization from their respective universities.
- (II) An assessment panel from The Canadian Council on Animal Care inspected animal facilities at the University of Western Ontario and at the local hospitals on May 22-24, 1974. The C.C.A.C. is sponsored in part by The Medical Research Council and National Research Council of Canada. Visits are made to all universities at 2 to 3 year intervals and recommendations are made regarding possible ways of improving the quality of animal care at each institution. The

panel for this visit consisted of Dr. H. Nordan, University of British Columbia, Dr. L. Lord, McGill University, Dr. H.C. Grice, Health and Welfare, Ottawa, Dr. J.P.W. Gilman, Director of Assessments, C.C.A.C. and Mr. T.I. Hughes, Ontario Humane Society. The assessment panel will submit a report of their findings, with recommendations, in due course.

Activities at the Committee Level at The University of Western Ontario

(III) Animal Care Committees with membership on the University Council on Animal Care:

Cancer Research Laboratory (Dr. J.A. McCarter)  
 Health Sciences (Dr. R.B. Philp)  
 Psychology Department (Dr. J.I. Boles)  
 St. Joseph's Hospital (Dr. L.A. Hatch)  
 University Hospital (Dr. J.L. Whitby)  
 Victoria Hospital (Dr. E.W.R. Campsall)  
 Zoology Department (Dr. D.M. Ogilvie)

Health Sciences Animal Care Committee

University Hospital Animal Care Committee

a) In view of the escalating costs and the failure of research monies to rise proportionately, some measure of financial assistance was requested in order to keep pace with these developments and enable the Health Sciences Animal Care Operation to survive. It has been agreed that some financial support will be given for the present to insure that the operation may function and meet the need for animals required for both instructional and research purposes.

b) Due to the increased usage of animals for research projects by members of the Department of Surgery, University Hospital, difficulties have arisen in providing facilities for adequate post operative accommodation of these animals. Accordingly, an additional recovery room area has been proposed and the appropriate cages have been constructed.

c) Construction of the Animal Quarters Addition, Health Sciences. Construction on the addition to the Animal Quarters began in May, 1974 with a scheduled completion date of December, 1974. This will result in a finished area

of 4,713 sq. feet, and an additional unfinished area of 9,915 sq. feet. A larger incinerator will be constructed in the Animal Quarters during this time. The additional Animal Quarters space should solve the animal room holding and housing problems which occur at the Health Sciences Complex.

Department of Psychology Animal Care Committee

Since moving to their new quarters in the Social Science Centre, initial problems centered on heating and ventilation needs, equipment relocation, and establishment of new routines required in the servicing of animal rooms located on several floors in this building.

Department of Zoology Animal Care Committee

The majority of animals utilized in this Department have been moved from the Biological and Geological Sciences Building to their new location in the Collip Building. Ventilation problems have been alleviated by the installation of individual fans and numerous other improvements have been made in order to upgrade the quality of animal housing in this Department. Additional space for housing of laboratory animals will be required in the near future.

(IV) Director of Laboratory Animal Services

Activities July 1, 1973 - June 30, 1974

(1) Laboratory Animal Technician Course

A series of 15 two hour evening lectures were given to laboratory animal technicians (Feb. '74 - April '74) in preparation for the examinations set by the Canadian Association for Laboratory Animal Science. Six candidates from the University, Victoria Hospital, and St. Joseph's Hospital wrote the examinations for qualification as Laboratory Animal Technician or Senior Laboratory Animal Technician. Four candidates were successful in both the written and oral examinations.

(2) Experimental Protocols

As required by "The Animals for Research Act" for Ontario, protocols from all researchers using animals must be collected and approved. This is done in collaboration with the Chairmen of the local Animal Care Committee's on campus.

(3) Animal Health and Disease Control

The tuberculosis surveillance program entails annual tuberculosis testing of nonhuman primates and testing of new additions to the animal colonies. Bacterial cultures are also taken to screen for Salmonella and Shigella infections.

Diagnostic Laboratory Services - The primary function of this laboratory is to monitor disease problems as they arise in laboratory animals, and to prescribe appropriate therapeutic and control measures.

Animals Submitted for Necropsy\*:

<u>Species</u>	<u>Number</u>
Canine	25
Feline	24
Frogs	2
Gerbils	1
Guinea Pigs	29
Hamsters	7
Avian	13
Mice	32
Pigs	1
Primates	11
Rabbits	68
Rats	62
Squirrels	3

\* Bacteriology performed on majority of necropsies in addition to individual bacteriology specimens submitted.

Individual Specimens for Parasitology	-	76
Individual Specimens for Bacteriology	-	70
Individual Specimens for Haematology	-	41

Other Activities of Director

(1) Elected to Board of Directors, Canadian Association for Laboratory Animal Science, November, 1973.

(2) In collaboration with Dr. R. Greenwood, Director of Animal Care Services Queen's University, have compiled a guide of "Surgical Standards" to be used by researchers in Ontario. This was done under the direction of the Laboratory Animal Medicine Committee, Ontario Veterinary Association.

Scientific Presentations

(1) Dept. of Veterinary Pathology, Cornell University, Ithaca, N.Y. "Diagnostic Pathology in Laboratory Animal Medicine" (Sept. 21, 1973).

(2) Dept. of Pathology, Western College of Veterinary Medicine, Saskatoon, Sask. "Diagnostic Pathology in Laboratory Animal Medicine: Histologic Features of Some Commonly Encountered Diseases" (Jan. 10, 1974).

(3) St. Lawrence College, Kingston, Ontario: Second Symposium on Animal Diseases. "Viral Disease of the Mouse I; II" (Feb. 28, 1974).

CENTRE FOR RADIO SCIENCE

Report of the Director

P. A. FORSYTH

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During the year the Advisory Committee for the Centre for Radio Science sponsored a full-scale review of the operation of the Centre, its objectives and its performance record in achieving those objectives. It requested three persons of recognized stature in the area of Radio Science to visit the Centre independently and submit written reports of their findings. The reviews were carried out by:

Dr. M.P. Bachynski, Director of Research,  
RCA Limited, Montreal, Quebec.

Dr. S.A. Bowhill, Director, Aeronomy Lab.,  
Department of Electrical Engineering, Univ. of Illinois.

Dr. G.W. Holbrook, Director General,  
Communications Research Centre, Ottawa, Ontario.

The visits took place during the summer and autumn. The reports, when received, were unanimous in commending the work of the Centre, the competence of its personnel and the pertinence of its program. Although variously worded the reports also endorsed the intention of the Centre to expand its activities in the area of contractual research as a reasonable and rewarding complement to the already well-established program of fundamental research. The reports also contained the specific suggestion that the Centre should exploit the specialized technological competence that it has built up in support of the research program. This could best be done by undertaking specific develop-

ment programs in collaboration, when appropriate, with industry. The objective of such a development program would be to produce new, state-of-the-art devices or instruments. The implementation of both of these suggestions has begun.

The facilities of the Centre have continued to expand during the year by virtue of equipment updated or purchased by individual members and by means of pooled resource purchases by two or more members. One significant new addition, obtained through an NRC Major Equipment grant, was a Network Analyzer capable of measuring the transfer characteristics of active or passive electrical components in the frequency range of 0.1 MHz to 2 GHz. The basic device was purchased for slightly more than \$20,000 and has already been expanded by the addition of several peripherals. Since it was obtained in September 1973 it has been in almost constant use as a design tool in construction of radio frequency systems.

During the year it emerged that the Delaware Radio Observatory was threatened by the possible construction of Ontario Highway No. 402 which might pass so close to the observatory that the site would be rendered useless by the electromagnetic ignition noise generated by cars and trucks using the highway. Discussions were begun concerning the relocation of the site but in December when the final route was announced, it was clear that in fact the highway would be far enough away (2.8 miles at its point of closest approach) to have little effect on the integrity of the electromagnetic environment at the observatory.

This year has seen an increase in the representation in the Centre from the Electrical Group in the Faculty of Engineering.

The current strength of the Centre is:

15 Members

17 Associate Members

7 Student Members



ACADEMIC COUNSELLING SERVICE

Report of the Director

PROFESSOR ERIC L. VOGAN

The Summer Academic Counselling Service (Freshman Academic Counselling Service) was conducted for the eighth consecutive summer during the ten-week period 10 June to 16 August 1974.

Departments and Faculties were approached during December 1973 and requested to submit descriptive material on all freshman course offerings and, in the cases of professional programs and limited-enrolment programs, descriptive material on their programs. A Counsellor's Handbook (Course Book) was prepared from the submitted material. Copies of the book were available during the pre-registration period in March and were distributed throughout the University (at College, Faculty and Department levels), to the Guidance Departments of all Ontario Secondary Schools, and to all members of faculty who participated in the Counselling Program.

Each student who applied to attend Western was extended an invitation to attend Academic Counselling and was provided with an appointment card and an addressed, return envelope. On the appointment card, the student was asked to check one of the following categories:

1. Please arrange a counselling interview on one of the dates shown below (space for 3 preferences);

2. I wish to receive counselling by mail (student was requested to provide information on courses, programs, etc., in which he was interested);
3. I do not wish to receive academic counselling.

Although the card and an accompanying letter emphasized that the counselling by mail was limited to those who lived at some distance from London, many requests for the service were received from students resident in London or in the immediate neighborhood. Most of the students in this category were persuaded (by letter or telephone) to come to the campus for a personal interview.

As in the past, two students from the Secretarial Science program were hired as Secretary and Receptionist, respectively. Two student campus guides from the Secondary School Liaison Office provided invaluable assistance. Student files were supplied, often on short notice, by the excellent staff of the Admissions Office. In all, twenty one faculty members served as counsellors (44 counsellor-weeks) and together interviewed a total of 2,134 first-year candidates, which meant that on the average the service operated at 100% of its planned capacity. Many students completed their pre-registration Course Selection forms during their interviews. The number of requests for counselling by mail has increased steadily since the service was first introduced. This summer, letters were written to

some 556 students (in some cases more than one letter was written), more than twice the number corresponded with in 1973 and more than four times the number corresponded with in 1972. The Director wrote close to 500 letters and certainly would not have been able to handle any more. In addition, a number of students (perhaps 30) were counselled by telephone. The total number of students who availed themselves of the Summer Academic Counselling Service was about 2,720, an increase of better than 40% over 1973.

The success of the Summer Academic Counselling Service depends largely upon the abilities and individual enthusiasm of the participating representatives of the University community. For Summer 1974, these were:

Marnie Cudmore, Secretary

Yvonne Bscheid, Receptionist

Debbie Danter, Campus Guide

Greg Marcotte, Campus Guide

and the faculty counsellors:

A.R. Anderson (German)

H.I. Battle (Zoology)

R.N. Bryan (Mathematics)

G.E. Ebanks (Sociology)

T.L. Fay (Psychology)

J.A. Fulford (Physics)

T.D. Gaily (Physics)

P.M. Gaudet (English)  
G. Gonser (Physical Education)  
R.A. Haines (Chemistry)  
D.B. Hayden (Plant Sciences)  
E.N. Mellamphy (English)  
J. Robinson (Bacteriology)  
C. Ross (English)  
T.F. Sea (History)  
R.P. Singh (Anatomy)  
B.E. Smith (Economics)  
A.J. Sukava (Chemistry)  
R.K. Swartman (Engineering)  
R.L. Walters (French)  
W.R. Wightman (Geography)

All gave excellent service to the University and I wish to commend and thank them all for their very fine efforts.

The majority of students who were interviewed completed Course Selection forms which they left with the Counselling Service as part of the pre-registration process. With very few exceptions, each of these students should have received a complete timetable at registration. It now appears that many received incomplete timetables or no timetables at all. Since students were assured by their counsellors that their course selections would cause no timetabling problems, the

usefulness of the Summer Academic Counselling Program, at least so far as pre-registration is concerned, is being questioned. Many students travelled great distances in order to obtain personal academic counselling and to pre-register. The University's image suffers if even a few students feel that the efforts they made to pre-register into first-year programs were to no avail.

JOINT McINTOSH COMMITTEE

## Report of the Secretary

W. S. TURNER

During the academic year 1973-74, the Joint McIntosh Committee, under the terms of the Will of the late Wilhelmina Morris McIntosh, approved of the following allocation of funds:

<u>Prizes and Scholarships</u>	
Geography	\$750.00
Business Administration	650.00
Public Speaking	<u>750.00</u>
	\$2,150.00
Promotion of Music	750.00
Purchase of Pictures	<u>3,000.00</u>
Total	<u>\$5,900.00</u>

University Art Curator

In November 1973, the staff of the McIntosh Gallery and the Resident Artist moved into new temporary quarters in the former Graduate Studies Portable. The new space makes an appreciable difference in the day-to-day operation of the Gallery. Each staff member now has private office space, the use of a workshop and storage facilities.

In February 1974, the former basement studio was converted to an exhibition gallery by students from museology course. The students also arranged and installed the Fine Art Graduates Exhibition which opened in February. Permanent conversion of the basement area has been approved and should be completed by August, 1974.

In June/July, 1973, the London Art Gallery and the McIntosh Gallery jointly arranged the Rothman exhibit "Appel's Appels".

Of the thirteen exhibitions shown in the Gallery, nine were organized by the curator and his staff. Notable among these were the Iven Eyre Exhibition presented by the Festival of Arts, Alumni Association and the Eskimo Wall Hangings arranged by Mrs. L. diStefano.

Attendance increased to 14,282 visitors. 1702 persons viewed film programs shown in the gallery, including the outstanding B.B.C. series "The Ascent of Man" co-sponsored by the Faculty of Engineering Science and the Gallery. Visiting community groups requesting special tours increased to 16 for a total of 356 persons. Eleven of the tours were presented to public and secondary school students.

Paintings from the University Art Collection were lent to the National Gallery of Canada, the London Art Museum and the Centennial Museum.

The reframing and conservation program continued and additional framed reproductions were installed in minimum security areas around the campus. Mr. M. Ruggles, Chief of Conservation for the National Gallery of Canada presented talks to the museology students, and a public lecture in the Gallery. The curator attended regular meetings of the London Art Museum's Advisory Committee, the London Art Gallery Association Executive (Vice-President), the Ontario Association of Art Galleries, and the Western Fair Association Art Committee.

In February, 1974, he was elected Ontario representative to the Universities Art Association of Canada. He also served on art competition juries at the Kitchener Art Gallery and the University Hospital.

On May 1, 1973 Miss A. Haldane and Mr. R. Arnold joined the Gallery staff under a grant from the National Museums of Canada Corporation.

On January 31, 1974, Mr. P. Kipps resigned from his position as Assistant Curator to further his career as a full-time artist. Miss Haldane assumed the duties of Assistant Curator and Mr. Arnold as Research Curator, both effective February 1st, 1974. The gallery trainee position lapsed and will not be supported during 1974-75. In April, Mr. Arnold was appointed by the Canadian Conservation Institute, Ottawa, as a conservator-in-training. His resignation is to be effective April 30, 1974.

As a result of the incorporation of the London Teachers' College by the University in September, 1973, an important collection of paintings, drawings, prints and sculpture were transferred to the care of the Curator. Five other works were received as gifts.

#### Resident Artist:

During his second year as Resident Artist, Mr. Claude Breeze was engaged in the following activities:

Studio Work - 1973 - Completed drawings and paintings for three "one-man" exhibitions in Brantford, Vancouver and Montreal and two exhibitions in 1974 in London and Toronto, also made and had accepted a submission for the new London Court House. Served on the McIntosh Committee and the



University Art Committee. Mr. Breeze held "Open House" Tuesday afternoons as well as at other times in order to accommodate interested people and groups. Many High School and University students visited the Gallery and workshop. He also entertained the Art Gallery Women's Auxiliary, the Faculty Women's Club, Laurier High School (for the second consecutive year), and others. Slide lectures were given to the Museology class, Faculty Women's Club, Fanshawe College and the Nova Scotia College of Art, in Halifax. He participated in senior critique at the Visual Art department and supervised jointly with the Visual Arts Chairman the mural competition for the senior Visual Arts students.

McINTOSH GALLERY EXHIBITION SCHEDULE      1973 - 1974

- |   |                           |
|---|---------------------------|
| CANADIAN SOCIETY OF GRAPHIC ART<br>40TH. ANNUAL EXHIBITION                                    | May 2 - June 3, 1973      |
| APPEL'S APPELS<br>(in conjunction with the<br>London Public Library &<br>Art Museum)          | June 9 - July 9, 1973     |
| THE UNIVERSITY OF WESTERN<br>ONTARIO ALUMNI COLLECTION  | July 11 - Sept. 2, 1973   |
| PERE UBU (PRINTS BY ROUAULT)/<br>A RAKE'S PROGRESS AND OTHER<br>ENGRAVINGS BY WILLIAM HOGARTH | Sept. 5 - Sept. 30, 1973  |
| RECENT REFLECTIONS (UWO FINE<br>ART FACULTY EXHIBITION)                                       | Oct. 3 - Oct. 14, 1973    |
| IVAN EYRE (presented by The<br>Festival of Arts Alumni<br>Association UWO)                    | Oct. 17 - Nov. 18, 1973   |
| DON BONHAM PRESENTS HERMEN<br>GOODE AESTHETICS RACING TEAM                                    | Nov. 21 - Dec. 16, 1973   |
| SPIERS: SCULPTURE   | Jan. 9 - Feb. 3, 1974     |
| CONTEMPORARY PRINTS FROM THE<br>UNIVERSITY COLLECTION   | Feb. 5 - Feb. 10, 1974    |
| FOURTH YEAR HONOURS VISUAL ARTS<br>GRADUATE EXHIBITION  | Feb. 13 - March 10, 1974  |
| ESKIMO WALL HANGINGS  | March 13 - April 14, 1974 |
| RAY ROBINSON  | April 17 - May 26, 1974   |

McINTOSH GALLERY FILM PROGRAM 1973 - 1974

GEORGE ROUAULT 1971

September 27, 1973

THE HENRI MATISSE CENTENNIAL  
AT THE GRAND PALAIS

October 24, 1973

DON BONHAM AND THE HERMEN  
GOODE AESTHETICS RACING TEAM

November 21 -  
December 16, 1973

CHARLIE CHAPLIN FILM FESTIVAL:

THE FLOORWALKER/ THE VAGABOND/  
THE CURE  
EASY STREET/ THE IMMIGRANT/  
THE ADVENTURER

February 7, 1974

February 8, 1974

WAYNE BROWN'S AUDIO-VISUAL  
EXPERIENCE

February 14, 1974

GALLERY/ THE FIRST FLICKERS

February 20, 1974

LASER LIGHT/ LASERIMAGE

February 21, 1974

THE SEARCHING EYE/ INTRODUCTION  
TO VISUAL ILLUSIONS

February 22, 1974

THE OWL AND THE LEMMING: AN  
ESKIMO LEGEND/ ESKIMO ARTIST  
KENOJUAK/ THE LIVING STONE

March 20, 1974

ASCENT OF MAN SERIES: (BBC Film Series)

LOWER THAN THE ANGELS	January 14, 1974
THE HARVEST OF THE SEASONS	January 15, 1974
THE GRAIN IN THE STONE	January 21, 1974
THE HIDDEN STRUCTURE	January 22, 1974
MUSIC OF THE SPHERES	January 28, 1974
THE STARRY MESSENGER	January 29, 1974
THE MAJESTIC CLOCKWORK	February 4, 1974
THE DRIVE FOR POWER	February 5, 1974
THE LADDER OF CREATION	February 11, 1974
WORLD WITHIN WORLD	February 12, 1974
KNOWLEDGE OR UNCERTAINTY	February 18, 1974
GENERATION UPON GENERATION	February 19, 1974
THE LONG CHILDHOOD	March 4, 1974

(In co-operation with the Faculty of Engineering Science)

METROPOLITAN MUSEUM SEMINARS IN ART

WHAT IS A PAINTING?/ REALISM	March 4, 1974
EXPRESSIONISM/ ABSTRACTION	March 5, 1974
COMPOSITION: AS PATTERN, STRUCTURE AND EXPRESSION	March 6, 1974
TECHNIQUE: FROM FRESCOES TO PRINTMAKING	March 7, 1974
THE ARTIST AS SOCIAL CRITIC/ THE ARTIST AS VISIONARY	March 8, 1974

London Teachers' College Collection

MYTHS AND LEGENDS: MIRRORS OF MANKIND

THE PROMISE AND FULFILLMENT OF SPRING/  
THE HEROES OF SUMMER/ FALL, WINTER AND  
ANOTHER SPRING

March 26 - March 28,  
1974

INTRODUCTION SCENARIOS	1-10	1-10
THE PROMISE AND FULFILLMENT OF SPRING	11-20	11-20
THE HEROES OF SUMMER	21-30	21-30
FALL	31-40	31-40
WINTER	41-50	41-50
ANOTHER SPRING	51-60	51-60
THE END	61-70	61-70
APPENDIX	71-80	71-80
INDEX	81-90	81-90
NOTES	91-100	91-100

ACQUISITIONS                      1973 - 1974

Purchases

JULE, Walter 603.	embossed silkscreen with litho. & relief 22¼ X 28½ in. (Univ. Club Fund)	INTENTION SEEKING ITSELF
MACGILLIVRAY, John 604.	silkscreen 16/17 10-3/8 X 6 in. (Univ. Club Fund)	UNTITLED
LUCY 643.	pencil & crayon 16-5/8 X 23-3/4 in. (Univ. Club Fund)	DRAWING
KIAKSHUK 644.	pencil 19-1/8 X 23-1/8 in. (Univ. Club Fund)	ANIMALS AND HUNTERS
PAAR 645.	crayon 18-3/4 X 23-3/4 in. (Univ. Club Fund)	BLUE DRAWING
O'HENLY, John 646.	etching A/P 13-7/8 X 16-7/8 in. (Univ. Club Fund)	POINTS OF ORIGIN
ARISS, Margot 647.	etching 1/20 7-7/8 X 11-3/4 in. (Univ. Club Fund)	MY LIFE 1973

London Teachers' College Collection

GRIER, E. Wylly 605.	oil on canvas 18 $\frac{1}{4}$ X 15 in.	PORTRAIT OF DR. MERCHANT
LISMER, Arthur 606.	oil on card 12-7/8 X 16 in.	LAKE SUPERIOR
COLLIER, Alan 607.	oil 24 X 32 in.	IN THE YUKON
MOULY, Marcel 608.	litho 41/150 19 $\frac{1}{2}$ X 25-3/8 in.	UNTITLED
HICKS, Rev. R.P.D. 609.	watercolour 14 $\frac{1}{2}$ X 21-5/8 in.	TOM'S FARM
KORNER, John 610.	oil on canvas 24 X 30 in.	VIEW OF NEW WESTMINSTER
NANOGAK 611.	stonecut 32/40 17-3/8 X 23-3/4 in.	FAMISHED OWLETS
ANON. 612.	chinese print 10 X 13 in.	UNTITLED
ANON. 613.	chinese print 10 X 13 $\frac{1}{2}$ in.	TWO BIRDS
DILLEMANN, Danielle 614.	etching 4/120 15 $\frac{1}{4}$ X 19 $\frac{1}{4}$ in.	MOLLIERS D'OR
THOMSON, Norm 615.	linocut 1/12 12 X 18 in.	VICTORIAN 1970
BARDONE, Guy 616.	litho 75/125 22 $\frac{1}{2}$ X 16 $\frac{1}{2}$ in.	UNTITLED STILL LIFE

PEYROL, Erik 617.	silkscreen 55/120 18 $\frac{1}{4}$ X 27 $\frac{1}{2}$ in.	UNTITLED DISCS
LA FORCADE, R. de 618.	relief 35/125 12 $\frac{1}{2}$ X 12 $\frac{1}{2}$ in.	MERCURE
KIMURA, Y. 619.	woodcut 56/85 10 $\frac{1}{4}$ X 6-7/8 in.	TWO BIRDS
ANON. (ESKIMO) 620.	soapstone 11 $\frac{1}{2}$ X 13 X 9 in.	UNTITLED
JOHNSON, Wm. 621.	oil on canvas 35-3/4 X 29-3/4 in.	PORTRAIT OF FREDERICK C. BIEHL
URQUHART, Tony 622.	ink on paper 17 $\frac{1}{4}$ X 8 $\frac{1}{4}$ in.	LOG DRAWING FOR X-FRAME
URQUHART, Tony 623.	mixed media H. incl. base 21 $\frac{1}{2}$ in.	X-FRAME
HICKS, Rev. R.P.D. 624.	watercolour 14 $\frac{1}{2}$ X 21-5/8 in.	AUTUMN - NORTH THAMES
BICE, Clare 625.	oil on canvas 24 X 30 in.	RETURNING FROM SCHOOL, PEGGY'S COVE
ROBERTS, Goodridge 626.	oil on panel 24 X 32 in.	SPRING BREAK-UP, GREY DAY
HAWORTH, Peter 627.	oil on masonite 30 X 22 in.	BOATS AT STE THERESA
DONATIANUS, Brother 628.	oil on canvas 39 X 31 in.	CHEESE MARKET AT ALKMAAR
BAILEY, Daisy 629.	enamel on copper 12 $\frac{1}{2}$ X 10 $\frac{1}{2}$ in.	UNTITLED



DE CHABOT, P. 630.	etching 62/100 11½ X 14-3/4 in.	UNTITLED HORSES
SHIMA, T. 631.	woodcut 74/100 14½ X 21 in.	UNTITLED
WINTER, Wm. 632.	oil on canvas panel 12 X 16 in.	LITTLE GIRL
CASSON, A.J. 633.	oil on masonite 30 X 36 in.	MORNING HAZE - BYNG INLET
ROBERTS, Tom 634.	oil on panel 28 X 36 in.	VILLAGE VARIATIONS
AMANO, K. 635.	silkscreen relief 5/60 16 X 23½ in.	FOSSIL 15
KEMP, James 636.	oil on masonite 24 X 31-3/4 in.	FIGURE IN SPACE
MARGOTTON, Rene 637.	lithograph	LANDSCAPE: MAS DE SOLEIL

Gifts to the University

- |                                      |  |   |
|--------------------------------------|--|---|
| KANANGINAK<br>638.                   | stonecut 37/50<br>21-9/16 X 21-9/16 in.<br>(Toronto Alumni of<br>the School of Business<br>Administration) | LEGEND OF LOON<br>AND RAVEN                           |
| HAMILTON, James<br>(attrib.)<br>640. | oil on canvas<br>30-1/16 X 39-15/16 in.<br>(Mr. S. Weir for the<br>Weir Foundation 1972)                   | UNTITLED (LANDSCAPE<br>WITH PEASANTS)                 |
| HAMILTON, James<br>(attrib.)<br>641. | oil on canvas<br>21-5/8 X 31 in.<br>(Mr. S. Weir for the<br>Weir Foundation 1972)                          | UNTITLED (CASTLE<br>WITH PEASANTS)                    |
| TOLMIE, Ken<br>642.                  | litho 29/300<br>22-1/8 X 16-3/4 in.<br>(Mr. Ken Tolmie)  | FOX AND CROW  |
| BLACKWOOD, David<br>648.             | etching A/P<br>29-3/4 X 19-7/8 in.<br>(Anon. Donor)  | CAPE ISLANDERS<br>AWAITING THE LOST<br>PARTY'S RETURN |

DEPARTMENT OF ALUMNI AFFAIRS

## Report of the Director

MR. NIGEL BELLCHAMBER

In 1973-74, the nature and scope of activities with the Department of Alumni Affairs continued to grow. Over 4,000 new alumni were added to the records, bringing the total number of alumni to over 42,000. During the year, 9,500 of these 42,000 alumni changed their addresses and they received over 425,000 pieces of mail from the Department. These mailings included cooperative efforts with many faculties and departments as well as regular Department of Alumni Affairs mailings. Mrs. Elva Brock, who had diligently kept the address files up to date for 11 years died in March of 1974. Her enthusiasm had played a large part in maintaining the excellent quality of these records.

The Alumni Gazette prospered, expanding from three to four issues annually and set a record for requests to reprint articles. In all, four articles were requested for six different publications, one from each issue. Evan Browne resigned on June 30, 1974 after four and a half years as Editor. David Green, a graduate of both English and Journalism at Western is the new Editor.

One means of Alumni support is fund raising, and in 1973 alumni sources donated over \$84,000 to Western. \$22,500 came from graduates resident in the U.S. via the U.W.O. Foundation of New York, nearly 3,000 alumni participated in the Annual Fund, and over \$2,600 was raised to support Alumni Placement, the 1974 Homecoming Gift Project.

Alumni Activities were held in many parts of the country in 1973-74 with the bulk being in London, Homecoming 1973 saw nearly 2,000 alumni return to campus for various activities including more than 20 class reunions. The Great Artists' Concert Series achieved a 95% attendance level for 12 concerts. Spring Festival 1974 featured Van Cliburn and the traditional banquet was held for the 91 patrons of the Festival. The bulk of the administrative work for both Great Artists' and Spring Festival is performed by Doreen Burr, the Department's Administrative Officer.

John Metras night, June 7, 1974 was an outstanding success as over 300 alumni returned to Western to wish John a happy retirement at a stag testimonial in the Great Hall. The Nursing Alumni held their 5th annual Alumni Conference on campus for 125 participants in May with the Problems of Today's Youth as the topic.

Off campus functions included a trip by Don Coleman, President Williams and Nigel Bellchamber to alumni parties in Winnipeg, Calgary, Edmonton and Vancouver. Essex and Elgin counties both held their annual meetings with large turnouts. In addition, the Essex and the Oakville branches each sponsored a bus to bring secondary school students to Western for Open House in October 1973. Functions in Southern California and North Bay rounded out the year's slate of branch activities.

Don Coleman, as the Alumni Association President, organized the inaugural meeting of the Ontario Alumni Presidents in October 1973. Fourteen Associations were represented with the next meeting scheduled for the fall of 1974.

Other Alumni Association highlights included the submission of the Native Peoples Report to the U.W.O. Board of Governors and the near-acquisition of the Royal York Concert Organ for Alumni Hall. Technical problems made the installation impossible, but interest has been rekindled as a result in the W. Sherwood Fox Organ Fund.

Mr. Murray Chalmers was appointed to the U.W.O. Senate for a two-year term as the Alumni President's designate in 1973 and Miss Jessie MacFarlane was reappointed as one of two Alumni representatives to the Board of Governors, to serve until 1978.

Fred C. Brown, Bus. '38 was elected President of the Alumni Association for a two-year term at the Association's Annual meeting in June, 1974. Mr. Brown is planning ahead to the U.W.O. Centenary in 1978, and will be aided by the opinion survey of graduates undertaken by the Association. Over 3,800 responses have been received to date and the results are expected to strongly influence the Association's actions in the years ahead.

THE DEPARTMENT OF UNIVERSITY RELATIONS AND INFORMATION

Report of the Director

MR. L. T. MOORE

Reorganized and renamed in 1972, the Department undertook in 1973 to implement those changes which had been recommended by the review committee under the chairmanship of Dr. R. N. Shervill.

Western News, launched in November 1972, continued to expand and develop under the editorship of Alan Johnston. An aggressive news coverage policy, and a substantially greater inflow of copy, particularly for the Gazette section, led to a marked increase in the size of the various issues. A 12-page issue, a rarity in preceding years, became the usual size. Not only did the Western News broaden its coverage of campus events, and non-campus events to include such meetings as those of the Ontario Federation of Students and the Ontario Confederation of Faculty Associations, it developed a number of interesting features, ranging from "Donating Your Body to Science" to "Moving to the Country -- the stories of five people who did".

The most significant news event of the year involved the Hunter-Harvey case, which engendered strong emotions on campus.

Western News endeavored, and I believe succeeded, in reporting the facts in a straightforward, objective manner. It is appropriate to record here that to their credit the senior officers of the University did not interfere in the news coverage by Western News.

Three supplements were also published during the year: two four-page supplements, one on the Draft Report of the SCUP Subcommittee on Revisions to the U.W.O. Act and the other on the proposed new staff pension plan; and, an eight-page supplement on "The University and the Community" which was distributed with the regular issue as well as to visitors to the University's exhibit at the Western Fair. The supplement also formed part of the University's presentation to the City's Social and Community Services Committee when the U.W.O. delegation appeared before it for grant support.

In May, Western News introduced a new feature, a bookpage, "Books in Review", edited by Randy Denley, Assistant to the Editor. This first two-page section was enthusiastically received and plans are to publish six bookpages a year in the future.

No changes took place in the staff during the year but the Western News staff did receive some assistance from students in the journalism diploma program who spent two week periods on rotation with the newspaper. Because the program was initiated rather late in the academic year, only a small number of students

were accommodated, but the experiment proved worthwhile and an agreement has been worked out with the Department of Journalism whereby students in the master's program will be assigned in the future to Western News as part of their required program.

Throughout the year close contact was also maintained with the news media, both locally and nationally. A weekly newsletter edited by Information Officer Susan Boyd kept the media informed of upcoming events and put forward story suggestions that led to some very favorable coverage for the University. News releases issued by DUR I also received wide exposure. A great number were picked up by Canadian Press and transmitted across the country.

DUR I staff were also helpful in planning last fall's Open House, which attracted an estimated 30,000 visitors to the campus.

Negotiations carried out by the director along with other University officials led CFPL-TV to accept Western as sponsor of its "Reach for the Top" program, a quiz show for area high school students which formerly had been sponsored by another university. He was also involved in arranging for the Ontario "Reach for the Top" finalists to be hosted at a dinner on campus in early May.

Late in the year the department developed a Speakers' Bureau. A booklet listing the names of 140 faculty and staff who

are prepared to speak on a wide range of topics -- from cat showing to nuclear medicine -- went out to clubs and organizations in the London area. The bureau is being coordinated by Susan Skaith.

Heavy demands continued to be made on the publications coordinator, John Campbell. Projects on which he worked included 14 faculty calendars, the U.W.O. Telephone Directory, The President's Report, Part I and Part II, Faculty Handbook insertions, campus map revisions and reprinting, as well as numerous posters, brochures, booklets, invitation cards, etc.

Members of the department were also called upon to provide counsel and assistance to a large number of people on a variety of problems, from advice on the design of a newsletter to assisting with "public relations problems".

As a director of the Association of Canadian University Information Bureaux, the director was active in the affairs of the association, including rewriting its constitution. He also conducted a workshop on publications at ACUIB's annual meeting which, incidentally, will take place at Western in 1975.



INDIAN ARCHEOLOGY AND PIONEER LIFE

Report of the Honorary Curator

DR. W. W. JURY

The year 1973-1974 has been a significant one for the Museum of Indian Archaeology and Pioneer Life. It was forty years ago, 1933-1934, that the Museum was established in the then New Lawson Memorial Library as a result of the interest taken in the private collection and archaeological investigation of my father and myself by Mr. Ray Lawson, Mr. Arthur Ford, Dr. W. S. Fox and Mr. Fred Landon. A few years previously they had requested that the collection be moved to the University where it was first displayed in Convocation Hall, University College.

It was always our hope that Western should be the centre for the study of the Indian peoples of south-western Ontario and that the Museum collections would be integrated with a Department of Archaeology or Anthropology in the Faculty of Arts.

In 1973-1974 this objective finally has been achieved. Students in the new Department of Anthropology are now engaged in studying the collection, greatly enlarged since 1934, under the direction of W. D. Finlayson, Department of Anthropology. The material represents some 250 documented sites in this area. Plans are underway for future surveys and exploration in the area by the department.

Also, in 1973-1974, definite steps have been taken toward the development of the Lawson Village site, situated on the outskirts of London, overlooking Medway Creek. The Lawson site came to the University through the Museum, a generous gift from the Honourable Ray Lawson. This is an important and widely known site having been examined by the National Museum of Canada who subsequently published a report on their findings in 1939. I was privilege to take part in this excavation in the 1920's and it has held a special interest for me throughout the years.

Thus it is that in two respects our early work and hopes have come full circle in these forty years.

In 1960 with the opening of Middlesex College, the Museum collections and offices were moved to the new building. Indian material is displayed in glass cases, and the model Indian village and model pioneer scenes continue to be studied by students, school groups and by visiting public. The gun collection and a spectacular sword display donated by Colonel Ibbotson Leonard attract special attention.

Our research files and maps are constantly consulted by individuals and groups of various interests from within and without the University community. Inquiries respecting Indian and pioneer life, and many concerning the well-publicized reconstructions of Sainte Marie and The Naval and Military Establishments at Pentaguischene, require time and considerable attention. Requests for speaking engagements are frequent.

My wife and myself are employed chiefly in the preparation of reports on material and sites that were of necessity set aside during our twenty-six years' activity in the Huron country. A concise account of the Attawandaron (Neutral) Indian of south-western Ontario is now in process of publication. This was written because of numerous requests from schools for information hitherto unavailable.

Fanshawe Pioneer Village, a cooperative project of the Upper Thames Valley Conservation Authority and the Museum, has had another successful year. A log school house has been added, the Pond Mills Brick School is being rebuilt from the original bricks, and the Jury homestead, moved from Lobo Township, is being refurbished.

The Village, which houses the pioneer collection of the Museum, draws on a large travelling public as well as the surrounding communities. It is playing a significant part in the enlarged curriculum for local history studies in the schools and is used by art classes, camera clubs, film makers, agricultural and technical schools, and frequently appears on the television screen.

DEPARTMENT OF INFORMATION ANALYSIS AND SYSTEMS

Report of the Director

MR. B. G. HARTWICK

The 1973-74 Academic year might best be characterized as one of quiet productivity. It was a busy year as evidenced by the Department's resource utilization statistics; but a year that was more oriented to maintenance and documentation than to development.

SYSTEMS GROUP:

- Completed the conversion of all COBOL programs to ANS COBOL.
- Participated in the design and programming of a Government Publications System for the Ontario University Libraries Association and assisted in the installation of a remote terminal to the Robarts Library.
- Designed, programmed and implemented a computerized system to facilitate the operation of a self-administered Benefit Plan by the Personnel Department.
- Completed a comprehensive documentation of the current Payroll, Personnel and Budget systems.
- Initiated T.P. access to both the Scheduling and Timetable systems.
- Converted all historical student Record files to a variable length structure.
- Completed a comprehensive documentation of the current Admissions system.

- Phased out the computerized materials inventory system in Physical Plant.
- Expanded the Dental Student marking system to include other areas of the Faculty.

#### OPERATIONS GROUP:

- The hardware facility of the Department, including the Key punch Unit, remained stable and continued to provide reliable service.
- During the year, the facility was converted to DOS-VS from DOS as an Operating System and the system continues to process under VM 370.
- The terminal system was converted to a 3270 configuration and on May 1, 1974, all responsibility for terminals was transferred to the individual client Departments.

#### ANALYSIS GROUP:

- Continued to provide Methods Analysis services to Faculties such as Engineering Science and to further refine and formalize such programs as the Forms Management Service.
- Published Reports on student attrition and the Grade Point System, as well as the Annual Statistical Report, Mini-Facts and Section-Size Analysis.
- The Student Flow model and the Resource Requirements Prediction Model have been used several times to test hypotheses generated by various campus components.
- All MCU revenue reporting, which has now expanded to six separate student counts, was completed accurately and on time.

- Several analyses to assist the efforts of the special assistant to the President have been undertaken, including the implementation and message of the Statistics Canada File.
- Continued support to the Chief Librarian in his unit cost analysis.
- Designed a Faculty Flow Model for which the programming should be complete in the Summer of 1974.
- Several special studies and reports were prepared pertaining to the economic impact of the University on the City of London; a budgeting model for the Faculty of Physical Education; the implications of C.O.U.'s proposed Operating Formula for U.W.O.; space utilization analysis; and Summer School and Extension.
- The system which generates the Exam Timetable was revised to permit integration into the Student Record System.
- Extensive analyses have been performed for the Admissions Office and the Secondary School Liaison Office pertaining to market profiles, student marks, student distribution, projected high school enrolments, etc.

In summary, the Department has continued to meet all commitments despite the persistent problem of retaining staff in a highly competitive market for qualified systems and analysis personnel.

DEPARTMENT OF FINANCIAL PLANNING AND BUDGETING

Report of the Director

MR. A. S. DOBBINS

The Budget reductions and voluntary restraint in 1972-73 averted what could have been a substantial deficit position, and in fact there was a modest operating surplus at the end of the year. However, early enrolment reports for 1973-74 gave indication that there was a high probability of a continuation of the revenue shortfall problems of the previous year.

The Provisional 1973-74 Budget Model approved by Senate and the Board of Governors in February 1973 anticipated a budget deficit of \$685,000, making provision for salary increases of 4.5%. Salaries were subsequently increased by an average of 6.5%, and the anticipated deficit rose to \$1,230,000. This, and the anticipated enrolment shortfall led to the adoption of a Contingency Plan in May 1973. This Contingency Plan had two basic objectives:

1. To conserve 1% of budgeted expenditures planned for 1973-74.
2. To provide Deans and Budget Unit Heads with flexibility in the use of financial resources in 1973-74 by allowing a budget carry over into 1974-75.

The Contingency Plan was modified in September 1973 into a Flexible Budgeting Program, which was endorsed by Senate, the Board of Governors and Deans and Budget Unit Heads who welcomed the innovation of providing such flexibility. The program has apparently been successful as 1% of budgeted expenditures were conserved, and in addition, a total of approximately \$704,000 has been carried forward into 1974-75. This amount represents 1.4% of budgeted expenditures. The flexible approach to budgeting has met with general approval, and discussions are underway regarding the continuation of such a program.

The successful implementation of the Flexible Budgeting Program, the fact that the anticipated shortfall in enrolment did not materialize, and investment income far beyond that originally budgeted for, served to avert a deficit position, and achieve a surplus position for the year.

Although the Operating Reserves have been preserved, it should not be assumed that Western has successfully averted a potential financial problem. The Basic Income Unit value was increased by 7.1% to \$1,955 for 1974-75 and inflation continues to escalate in excess of that percentage. Salaries and related benefits make up approximately 82% of the operating budget and an average salary increment of 10% was made effective 1st May 1974. Assuming a continuation of the current Operating grants

formula, the Basic Income Unit value should keep pace with inflationary trends, or the Ontario system will enter a 'depression'. It is significant to note that the Ministry of Colleges and Universities have announced \$6,155,000 in supplementary grants for 1974-75 to seven institutions. As a percentage of the total grants distributed, this amount is not large, but the indicated trend is significant.

The Department continued to service the Senate Budget and Finance Committee in the budget modelling process, providing data, schedules and suggestions, ensuring a smooth progression towards the presentation of a well considered Budget Model to Senate and the Board of Governors. In January 1974, Deans and Budget Unit Heads requested support in addition to the Budget Limits and Guidelines issued in November 1973. The Department provided analyses and summaries of these supplementary requests to assist the Committee in its deliberations. The 1974-75 Budget Model was approved by Senate and the Board of Governors in February 1974, indicating a budgeted deficit of \$1,603,900. Since that time, the Ministry announced a change in the BIU value from the preliminary \$1,916 used in the Budget Model to the current \$1,955. This had the effect of increasing the revenue estimates for 1974-75 and the current budget deficit stands at \$850,000.

The Resource Requirements Prediction Model, implemented by DIAS is being studied with the Senate Budget and Finance Committee to assess its value in the short and long range budgeting process. 1974-75 could possibly be a year of transition from the traditional methodology to the use of all or some aspects of this potentially exciting new tool.

In the daily operating functions of the Department, the role has changed somewhat, with the establishing of a combined Documentation-Payroll Section in the Personnel Department last year. The bulk of detailed coding is now done by that section, and this Department has assumed an edit and funds control function before the coded documentation is processed. A total of 15,500 appointments, changes of status and terminations, were processed during the year, a 10% increase over 1972-73. With continuing flexibility in the transfer of funds, 425 Budget Transfer requests were processed, after being reviewed.

For the 1974-75 Budget, a new system was implemented, allowing for the mounting of the new budget on the active file, before the fiscal year end. This development considerably improved the assembly of new budgets, and the transmission of line budget reports to Deans and Budget Unit Heads. Salary adjustments were made effective 1st May 1974 rather than the traditional 1st July date, and this was achieved smoothly through the cooperation of DIAS and the Personnel Department, together with considerable dedication on the part of staff members in this Department. The transition was made to eliminate some confusion created by having a fiscal year commencing 1st May and a salary adjustment date of 1st July.



In addition to activities related to the Operating Budget, the Department continued to provide financial management services to the Directors and Managers of Ancillary enterprises, and assist in Capital cash flow forecasting.

The Residences operation suffered a substantial deficit in 1972-73 (in excess of \$200,000), and a great deal of time was spent assisting the Coordinator of Student Services and the Director of Housing to attempt to achieve a break-even position in 1973-74. This was done, but the cumulative deficit remains, and a recommendation has gone forward to the Board of Governors, that this deficit be written off against a Furniture replacement reserve which had been built up over the years.

Regular monthly reports are being prepared for the Engineering Machine Shop, Boundary Layer Wind Tunnel and the Animal quarters, with the provision of month end assistance where necessary in Student Health Services.

In summary, other projects undertaken included:

1. A joint project with DIAS and the Bookstore Manager, to review the operations of the Bookstore. This is being done at the request of the Manager with a target date for implementation of major changes, set for 1st May 1975.
2. Food Services achieved a degree of financial stability during the year, and the Department continues to work closely with the Director, providing financial advice and assistance in the formulation of the financial aspects of proposals to open, close or modify the thrust of various outlets.
3. There has been close liaison through Dr. W.S. Turner, with the Western Day Care Centre, the Glenmore Cooperative Day Nursery and the Glenmore Cooperative Crêche.

It was anticipated that the Province would fund a pilot project and the Department assisted the various units in financial management during a difficult period. The Province has recently announced a new funding arrangement, and the implications of this are still being assessed.

Generally, a strong relationship has been developed between this Department and all Ancillary enterprises, with regular communication on financial matters. Financial reporting systems are being reviewed and changed where necessary to provide meaningful information to the line managers.

In conclusion, the Department wishes to acknowledge the cooperation of all Deans and Budget Unit Heads, during a further period of financial uncertainty. Continued concern for sound financial management will ensure that this university will maintain a solid position, and avoid massive financial trouble requiring radical surgery at a later date.

PERSONNEL DEPARTMENT

## Report of the Director

MR. W. F. TRIMBLEBenefits

The Benefits Section implemented the Self-Administration and Accounting of its Group Insurance Plans as recommended in the Wm. Mercer Ltd. report and thus the University stands to realize an annual savings of \$17,000 by using the Personnel Payroll computer data to produce billings, certificates and statements. By maintaining all files and records in the Department, service to the individual employee would be improved.

The Pensions Review Committee, along with the consulting firm of Eckler, Brown, Segal and Company Limited, presented a new pension plan to members of the staff following two years' deliberation. The new plan for members of the staff will be a "money purchase" plan, replacing the "unit benefit" plan, with the expectation of a higher pension benefit for both those members presently in the plan, and for new members. The improved pension plan for staff now completes the University's review of pension plans for faculty and staff.

The Benefits Review Committee has continued to meet this year to examine the effects of enacted and proposed government legislation on our group benefits program. Recommended changes may not be presented until later next year.

Once again, the section was heavily involved in benefits, rehabilitative disability, and retirement counselling both on an individual and group basis.

Compensation

Much of the activity of the Compensation Section during 1973-74 was unavoidably directed towards the resolution of problems and the provision of advice in matters relating to salary administration and job evaluation at the operational level. Further, such recurring functions as undertaking salary surveys, analysing the data and formulating and implementing recommendations on the annual salary adjustments absorbed a large portion of the Section's time.

The implementation of the second phase of the Administrative Compensation Program (IIay) was completed on schedule on October 1, 1973, bringing the total number of administrative, managerial and professional positions covered by this salary system to approximately 250. Future efforts will necessarily be directed towards the maintenance of the program's currency and accuracy, as well as possibly expanding it into other occupational areas.

Several improvements were made during 1973-74 in the Section's administrative function, including the formal introduction of a new Position Description Questionnaire, the re-deployment of staff to provide better service and expertise, and the refinement of internal procedures and records to ensure greater efficiency. A major innovation in this latter area was the development of a position coding system to facilitate the department's salary administration and employment activities.

Other advances in the Compensation field during 1973-74 included the return to the principle of merit recognition for salary administration, the introduction of a direct dollar distribution program for effecting annual salary adjustments, the preparation of written guidelines for supervisors regarding both the May program and the salary adjustment exercise, the preparation of an initial draft of a detailed Wage and Salary Policy statement for the University, and the development of a new classification and salary plan for the Storekeeping occupation on the campus.

### Employment

The Employment Section continued to provide employment services to applicants, staff and departments throughout most of the University community. Some areas, however, continue to recruit and employ applicants without reference to the services available from the Section.

The prevalent posture of the Employment Section has been a passive one, i.e. acceptance of requisitions, applications, etc. Objectives have been formulated to present a more positive approach to centralized employment. In a time when applicants seem to be fewer for all employers to consider, extra effort will be made to recruit and obtain greater numbers of qualified applicants.

Responsiveness to our "customers" is of prime importance and has been recognized with longer "open-for-interview" hours and effectiveness questionnaires to recently hired staff. Surveys of effectiveness will also be sent to rejected and other applicants who, for one reason or another, we have been unable to place.

Plans have been drafted as well for increased contacts with area secondary schools to acquaint them with the types of employment opportunities available for graduates with the University.

A total of 1,929 applications for employment were received, and 748 candidates were referred, of which 320 were hired. Throughout the year, 209 termination interviews were conducted.

### Payroll and Documentation

The gross payroll for the past year was \$49,704,663 and in all likelihood will surpass the \$50 million mark in the next year. There were 38,749 deposit payments made while cheque payments totalled 51,652. The number of T4's issued was 9,600 and a total of 2340 T4A's was processed.

### Safety

Through the President's Safety Committee, the university implemented its first comprehensive Safety Policy applicable to all faculty, students and staff. At the same time, the Safety Section of the Personnel Department was established under the direction of the Assistant Director of Personnel.

Initial activities of the Safety Section focussed on building a statistical base upon which future programs may be planned. Major problem areas have been identified and extra attention has been and will be given to these areas in the year ahead.

An accident investigation program was begun in December, 1973 with emphasis being given to correction of unsafe acts and working conditions. Virtual all lost time accidents are personally investigated by someone from the safety team.

Soon after the Safety Policy was endorsed, 30 safety committees were formed in various areas and departments to assist and advise in our ongoing safety activities.

Other major activities of the Safety Section include safety audits or inspections conducted in over twenty areas. A number of testing programs have been instituted, including microwave oven emission tests, sound surveys, air sampling for noxious fumes and mercury contamination.

First aid stations have been established in all major buildings and areas of the campus and to date over 120 faculty and staff have been trained in basic first aid techniques. In addition, three people have further qualified as first aid instructors.

An important part of the safety program has been the task of increasing the safety awareness of the University community. Almost weekly safety publicity has been published in the Western News with selected articles carried by several other in-house publications (Physical Plant Department News, Library System Information Sheet and Staff Association Newsletter).

Preliminary steps have also been taken in developing a University Radiation Safety Policy based on the work and recommendations of the Advisory Committee on Health Aspects of Ionizing Radiation.

The University or Safety Section staff are now members of the National Safety Council, the College and University Safety Council of Ontario, the Canadian Society of Safety Engineering and the Industrial Accident Prevention Association.

Results of the Safety Section's activities so far are encouraging: there has been a reduction of over 66% in the cost of Workmen's Compensation claims over last year.

### Training

Due to the critical nature of the University's accident record, little time has been available to fully establish training and development objectives. The Training Section is staffed by the same personnel responsible for University safety activities, and this, along with a lack of space, facilities and equipment, has prevented the program from expanding as rapidly as would be desirable.

Training records have been set up for each staff member benefiting from the University's Educational Assistance policy. As time goes on, other courses, seminars and conferences of an educational nature will be added to the record. The purpose of such a file is to provide a comprehensive history of an individual's training. This file will assist in assessment centre techniques of identifying staff for future supervisory, managerial, technical and administrative openings.

Preliminary planning has taken place for an orientation program applicable to all new staff. While material such as booklets is yet to be developed, portions of the program should begin soon.

The need for supervisory training has been identified as a major requirement in the University's training program. To this end, a supervisory training course has been outlined and given preliminary approval. While start-up costs may be large for such a program, there is a good chance that substantial subsidization will be available through provincial and federal governments. Initial discussions with government on this subject have been very encouraging.

### Library System Personnel Office

The staff of the Library System Personnel Office have developed

personally and been both active and effective in several areas. Most notable has been the recruitment and selection of staff of high calibre, especially compared to the library staff cross section of two years ago.

Visits have been made to all city secondary schools to acquaint them with the employment opportunities in the Library System, with excellent results.

Discussions have been held with every department and unit in the Library System to answer questions and bring staff up-to-date on current benefits and personnel policies.

Useful research has been conducted in the areas of absenteeism, cause of dismissal, turnover and occupational profiles. This data has been very useful to the Library administration in planning and problem-solving throughout the year.

An ever-increasing number of staff continue to rely on the Library Personnel Office for personal and work-related counselling services.

#### Physical Plant Personnel Office

The Personnel Office assisted in the implementation of Personnel Policies for full-time staff within the Physical Plant Department. A number of training seminars involving both supervisory and non-supervisory staff provided clarification and interpretation of personnel policies and related working conditions. Increased emphasis on staff training was applied in a number of other areas as conditions warranted (first aid training, altered work schedules, safety training for supervisory personnel, etc.).

Working closely with the Safety Section of the Personnel Department and with Departmental supervisory staff, this office was instrumental in the development and implementation of guidelines for the Departmental Safety Program.

The recent year marked an increase in the quality of services related to wage and salary matters. Included were the expansion of job evaluative information, refinement of the job reclassification and transfer procedures and completion of comprehensive wage surveys for caretaking, trades and heating plant personnel.

The Personnel Office continued its efforts to assume a more effective advisory role in a wide number of areas (staff disciplinary cases, changes in employment standards, facilitating labour management communications, etc.).

PHYSICAL PLANT DEPARTMENT

Report of the Director

MR. R. M. YEO

The responsibilities and functions of the Department are many and varied and affect almost all sections and activities of the University Community. There are five sections within the Department, namely:

Engineering and Architectural Services

Operations and Maintenance

Project Planning and Construction

Reservations Office

Security, Traffic and Parking Services

Each of these sections operates as a unit, with the unit head reporting to the Director. It is believed that the strength of the Department, even though regimented into a formal organizational structure, is the complete integration of personnel across the whole Department and the cooperation with which the various sections work with each other.

A measure of the Department's activities may be found in the following statistics. The gross salary budget for this fiscal period amounted to \$5,000,000. Some 10.5% of the University's operating budget was expended through Physical Plant and these expenditures did not include ancillary operations (e.g. residences), alterations or capital expenditures. The total gross cash flow administered by Physical Plant in 1973-74 was in excess of \$13,000,000.

During the year, Mr. L. C. Mills and Mr. G. A. Bailey completed twenty five years of service. With these two additions, there are now ten active members in the Department's Quarter Century Club.

An agreement was entered into with the Ontario Ministry of Natural Resources under The Woodlands Improvement Act for the reforestation of the vacant 100 acres of land surrounding the Elginfield Observatory in Biddulph Township. The program controlled by the Ministry, includes the supply and planting of the trees, and project management over a 15 year period. The planting began in September 1973

and will continue for two years. Over 70,000 trees will be planted consisting of the following varieties: White Pine - 44,000, Walnut - 7,000, White Cedar - 2,500, Norwegian Spruce - 5,000, White Ash - 2,600, White Spruce - 9,000.

#### ENGINEERING AND ARCHITECTURAL SERVICES

This section provides technical detail, interior and furnishings design, estimates and drawings for in-house projects. The work load of the section continued at a substantially high level in spite of the cut back of the previous year. In excess of 540 estimates were prepared during the year.

In addition to its planning function this section coordinates the major alterations and renovations projects and works very closely with the Works Project group in the Operations and Maintenance Section.

#### OPERATIONS AND MAINTENANCE

Operations and Maintenance is the largest section of the Department to which 90% of the employees are assigned.

The 1973-74 year was one in which considerable effort was directed toward holding-the-line on expenditures to maintain the reductions implemented in 1972-73. In the maintenance, caretaking and grounds areas, this entailed a careful apportionment of limited resources. A close assessment of priorities became important to arrive at an equitable distribution of service. Operation CONSERVE initiated to reduce utility costs, was continued during the year with a further tuning of the program to effect increased savings.

#### Residences

Physical Plant's operating costs for single student residences were kept below a 2% increase largely by a reduction in services to student rooms. To implement this, a reduction in staff of 14 service workers (30.4% of the service worker staff) was necessary.



### Personnel

The integration into the Physical Plant of the London Teachers' College building and the reestablishment of the Lawson building following conversion was affected with an increase of only three caretaking personnel.

A training program was entered into with Federal and Provincial government support to increase the flexibility of tradesmen to perform functions beyond their former experience. In this case, five painters were instructed in the skills required in motor maintenance.

### Works Projects

A total of almost 900 projects with a total value of over a million dollars were completed during the period. Projects were accomplished largely by the use of in-house maintenance tradesmen, but some were tendered and contracts awarded to outside contractors. Furnishings consultation, interior design and project design, where necessary, were supplied in-house by the Engineering and Architectural Services section.

### Safety

During this past year a new emphasis has been placed on safety within the Department. With an expanding campus, greater awareness of safe work practices on the employee's part is essential. To encourage this responsibility, a safety committee was formed within the Operations and Maintenance section. In addition, first aid classes were held and attended by a wide cross section of staff in the Department.

### Transportation and Stores

During the year, the Stores section was expanded to include servicing for the forty vehicles of the Department. Maintenance and vehicle repairs (except those of a major nature) will be handled in-house by a fully qualified mechanic and a serviceman.

### Post Office

The central mail room processed an average of 50,000 articles of mail daily. The operation of the Stevenson-Lawson mail room, formerly under the jurisdiction of the Registrar's Office was transferred to the Physical Plant Department.

### Works Analysis

A preliminary analysis of the labor requirements for caretaking operations in all buildings was completed. This analysis utilizes standard times for a major percentage of all labor used in floor care operations. The preliminary analysis is currently being used to establish equitable staffing between areas and as a basis for further in-depth studies of major labor use areas.

### PROJECT PLANNING AND CONSTRUCTION

During the period, Physical Plant was actively engaged in planning and construction of several major projects.

The Lawson Building and Stevenson Hall were completely renovated for total project costs amounting to \$1,110,500. The space was occupied in the latter part of 1973 and provided suitable accommodation for central administration offices.

In September 1973, the Province announced the approval to proceed with the Health Sciences Addition and the Animal Quarters which had been deferred in October 1972. Tender prices were renegotiated with the low tenderer and a total project cost of \$3,905,600 was approved. This cost represented an 11% increase to the budget prepared the previous year. Completion of these projects is expected to be in December 1974 for the Animal Quarters, and May 1975 for the Health Science Addition.

The J. Gordon Thompson Recreation and Athletic Building was approved for construction in September 1973. The Board of Governors accepted a budget of \$2,775,700 for this project. The funds are provided by an allocation of \$1,175,700 from the University's capital reserves, \$1,200,000 from University students' contributions and by a generous donation of \$400,000 from Mr. J. Gordon Thompson. This facility is scheduled to be in operation by February 1975.

A separate part of this program includes the establishment of new athletics Playing Fields south of the Huron parking lot.

In May 1973, a Campus Landscape and Transportation Study was initiated at a cost of \$40,000. The results of this study will guide the University's plans on landscape improvements in conjunction with necessary improvements to the Campus traffic pattern. The emphasis will be to improve pedestrian safety and to minimize the disruption occasioned by through traffic which is estimated to be in excess of 40% of all traffic entering the campus.

Tenders were received in December 1973, for the Medway Creek Erosion Control. This project is established through the Upper Thames River Conservation Authority who will provide approximately 50% of the overall project cost of \$111,358.50. The balance of the funds will be provided by the University, the University Hospital and Westminster College. Construction will take place during the spring and summer of 1974.

A design program was initiated for a computerized Central Utilities Control System. A budget cost of \$540,000 was approved for funding from University capital reserves. It is expected that after this program is initiated, utilities conservation will result in energy savings of about \$177,000 per year. This program will be operational in 1975.

Projects under active consideration included an addition to the Visual Arts, a review of the Chemistry Building Addition and a program for renovations to the Medical Sciences Building resulting from the Health Sciences Addition.

#### RESERVATIONS OFFICE

The Reservations Office handled 5,022 special space applications for events which had total attendance figures of over 782,000. Of these totals 1,360 events were arranged for non university organizations with attendance figures amounting to 319,853. The figures indicate the substantial use of University facilities by the general community. The use of University facilities by outside organizations increased by over 12% from the previous year.

SECURITY, TRAFFIC AND PARKING SERVICES

This division of the Physical Plant operation was relocated from its former crowded and inadequate quarters in the basement of Thames Hall to the renovated Stevenson-Lawson Building. The office of the Parking Coordinator was moved into the same area.

An ad hoc committee was appointed to report on the adequacy of campus security. In general, the committee reported that Western's security measures were being maintained at a satisfactory level and that they compared favorably with those of other Universities. The study indicated that Western's security force was substantially less in size than any other Ontario University on a per capita basis. On the committee's recommendation, the Security desk was staffed on a daily basis from 7:00 a.m. to 1:00 a.m. and a new radio communication system was installed. The former recommendation required an increase in staff of three men.

A new design was selected for the uniform of the personnel. The new style and color, although not in the severe pattern of a police uniform, more adequately identifies the role of the personnel.

The program of engraving University property for identification purposes continued. This was in cooperation with the City Police Department's program being carried out in London.

COORDINATED STUDENT SERVICES

Report of the Coordinator

MR. T. L. HOSKIN

It is my pleasant duty to report that 1973-74 was a very good year for Coordinated Student Services. The reorganization and staff changes which took place in the previous year have produced a team of student services personnel who work together effectively and morale is really quite good. It has been especially encouraging to observe the cooperation between departments in sharing staff during peak periods and in working together to develop programs and publications which can be more effective and less costly on a cooperative basis.

The nine departments which make up the Coordinated Student Services are:

Health Services	Housing
Dean of Women	Educational & Vocational
Dean of Men	Counselling
Student Financial Aid	Foreign Student Advisor
Career Planning & Placement	Chaplains

During the year Dr. Kevin Murphy, Director of Educational & Vocational Counseling, was asked by the Coordinator to review the types of counselling offered in the various departments in Coordinated Student Services. His findings did much to clarify the role of each service and were the subject of very useful discussions at regular monthly meetings of the Deans and Directors. At these same meetings the members were also kept informed on matters of interest in university affairs. Much time was devoted as well to reviewing publications and discussing innovative programs.

In all their deliberations the staff has been dedicated to providing the best possible assistance to the students and to the University as a whole. The Coordinator is very grateful to the members of staff for their achievements, dedication and support throughout the year.

The sections which follow in this report contain material supplied by the Heads of each of the nine Coordinated Student Services listed earlier in paragraph two.

HEALTH SERVICES

The point of emphasis in this report is that the year under review has been one of increased utilization for all areas of Health Services. Over 10,000 students made use of the Medical Centre alone, representing 32,234 visits. In addition, approximately 4,500 allergy or immunization injections were given in the same Centre. During the winter intramural session the Medical Centre has been operating at maximum capacity; with further increases in health care, the physical area may become a severely limiting factor in service provided.

The Director, Dr. John Thurlow, reports that the greatest increases in utilization occurred in two specialized services:

1) The Gynaecology Clinics (in the evenings, using Medical Centre facilities) required additional staff. Dr. J. Silcox joined Dr. A. A. Yuzpe as consultant in Gynaecology. This service increased 100% to approximately 2,000 visits during the past year.

2) The Athletic Injuries Clinics, under the supervision of Dr. J. C. Kennedy, increased from 811 visits to 1,423. The Athletic Injuries Clinic and associated physiotherapy facilities were severely overtaxed during the past year, making renovations to Room 20, Thames Hall, necessary. These extensive renovations are currently underway as a contribution to the University from the Lawson Foundation.

The Counselling Centre of Student Health Services, dealing with personal and emotional problems, experienced a slight increase to over 2,000 appointments. Similarly, the nursing service at Althouse College, now serving the Faculty of Education, experienced over 2,000 visits, 300 more than last year.

The overall increased utilization of all these components of Student Health Services is reflected in a total of 44,389 visits, a 20.1% increase over last year. It is apparent that over half the entire student population made use of Student Health Service facilities during the period under review.

The Staff/Faculty Health Service in Somerville House reported close to 1,200 visits, representing an increase of approximately 25%. In cooperation with the Personnel Department of the University, a health questionnaire was introduced as a requirement in the employment of new staff, and first aid kits throughout the campus were centralized and standardized.

In order to maintain a more formal liaison with the student body, a committee of student government was established to provide advice and represent student opinion, in accordance with the recommendations of the original Advisory Committee to Health Services.

Western was the host university this year to the Ontario College Health Association meeting, where a presentation of our unique Public Health Nursing Services was made.

Further, presentations on topics of "Contingency Planning" and "Contraception on a College Campus" have been invited from the Director and Dr. A. A. Yuzpe for the Canadian College Health Association meeting in June, 1974.

Looking ahead, overcrowding in the Medical Centre must be closely monitored, as it is already presenting problems. The attempt must be made to maintain or improve the level of service in the face of increasing use of our health facilities.

#### DEAN OF WOMEN

Dean Leola E. Neal reports that in 1973-74, there were 11,977 men and women enrolled in the Constituent University as full-time undergraduate students. Of these students, 4,752 or 39.7% were women. In the previous year, there were 11,248 full-time undergraduate students and 4,439 or 39.5% were women. Although the number of students has increased, the ratio of men to women full-time undergraduates at Western seems stabilized at about 6:4, as suggested in recent reports.

In the Faculty of Graduate Studies, the number of full-time students has increased slightly from a total of 1,454 in 1972-73 to 1,498 in 1973-74. In 1972-73, 295 or 20.3% were women while in 1973-74, 320 or 21.3% were women.

The full-time undergraduate women were enrolled in the Faculties and Schools as follows: (The 1970-71 and 1972-73 figures are included for comparison).

	<u>1970-71</u>	<u>1972-73</u>	<u>1973-74</u>
Faculty of Arts	1,227	876	821
School of Business Administration	9	21	31
Faculty of Dentistry	4	11	12
Faculty of Engineering Science	2	3	6
Faculty of Law	23	55	78
*Faculty of Medicine	43	207	271
Faculty of Music	156	250	319
Faculty of Nursing	175	263	293
**Faculty of Physical Education	-	137	369
Faculty of Social Science	1,879	1,674	1,707
Faculty of Science	822	938	945
Unclassified	3	-	-
TOTAL	<u>4,343</u>	<u>4,439</u>	<u>4,752</u>
Althouse College of Education	<u>372</u>	<u>320</u>	<u>319</u>
TOTAL	<u>4,715</u>	<u>4,759</u>	<u>5,171</u>

\* Includes Medical Rehabilitation in 1970-71 and Occupational & Physical Therapy, and Communicative Disorders from 1972-74.

\*\* This faculty was created in 1972-73. Prior to that year Physical Education was a program offered within the Faculty of Social Science.

A few women have been active in student government and they have served with distinction. Others seem to prefer being identified with the "performing arts", publications, residence councils, and/or athletic activities. During the academic year a surprisingly large number of women students are engaged in volunteer work in one or other of the many social agencies in the city. They are eager to be involved with people and anxious to be of help. On our own campus, the Special Winter Olympics, an activity sponsored by the Faculty of Physical Education, is a tremendously popular and satisfying event.

The three Greek-letter organizations (Gamma Phi Beta, Kappa Alpha Theta, Pi Beta Phi) and the Pan-Hellenic Council had a busy and interesting year. Once again, the China Survey was an unqualified success. The Sororities and men's fraternities held a dance marathon which raised a very substantial sum of money for charity.

Congratulations and best wishes are offered to Gamma Phi Beta Sorority on the occasion of its Centennial Birthday Celebration, June 14-18, in Kansas City. Gamma Phi Beta is one of the 10 oldest women's organizations in America and a number of Gamma Phis from Alpha Omega Chapter are planning to attend the gala celebration. The three international groups with chapters on our campus are beginning their second century of activities and their future seems brighter than at any time in the past decade.

Each year the Dean of Women devotes a great deal of her time to personal counselling. Students, mostly undergraduates, make appointments and discuss their varied problems and concerns. For most students two or three sessions suffice, but for others many more are required, especially when consultation with other department heads is necessary. Students are frequently referred to others, namely the Faculty Deans and Faculty Counsellors, the Registrar and his staff, and the members of the Coordinated Student Services team. Without such assistance, problems would not be resolved to the students' satisfaction. The cooperation of all who helped in any way is recognized and appreciated by the Dean of Women.

It should be noted that a Dean of Women considers herself primarily an educator. Both the Dean of Women and the students may best be described as *learners*. While remedial counselling is one part of her function, it is much more important that young women be exposed to women models and have someone to "brainstorm" with. In this period of economic uncertainty and changing values, young women require and want support and guidance. The most thoughtful among them are questioning traditional patterns and searching for a philosophy of life in the hope of setting up immediate and long-term goals. This type of counselling, often referred to as developmental counselling, is refreshingly pleasant and a welcome part of the total counselling experience.

The Dean of Women is a member of several committees. Those which are concerned with the housing of students in residence are especially time-consuming because they deal with general residence policies, admissions, publications and staff selection.

#### DEAN OF MEN

Effective August 1, 1973, Mr. D. W. Klinger, Director of the Career Planning and Placement Service, became the Dean of Men and Assistant to the Coordinator, Student Services. At that time, Mr. A. E. D. MacKenzie, the Acting Dean of Men, became Assistant Executive Secretary to the University's Office of International Education. It should be noted that the position of Director of Career Planning and Placement vacated by Mr. Klinger was not filled until May 1, 1974. During this period, Mr. Klinger continued to supervise some of the administrative and counselling activities in the Career Planning and Placement Service.

The percentage of full-time men in all Faculties of the Constituent University was 62.36%. Of the 11,977 undergraduates 60%, or 7,225, were men. In the Faculty of Graduate Studies 1,178, or 79%, were men.

The Dean of Men is a "generalist", offering personal and confidential counsel to men students at any level of their academic program. It is essential that the Dean of Men, and the Dean of Women, be highly visible and readily available to students no matter what their concerns or problems may be. In his role, it is important that the Dean of Men be well acquainted with the student population, the services and agencies of the university, local community services, student groups, faculty and staff.



For the period August 1, 1973 to April 30, 1974, the following are some of the concerns or problems which students brought to the Dean of Men: (1) Sexual adjustment, (2) Parental conflicts, (3) Adjustment to death in immediate family, (4) Shoplifting, (5) Serious injury and resultant academic and personal adjustments, (6) Residence and Off-Campus Housing situations (i.e. roommates, landlords, etc.), (7) Financial, (8) Leaving university, (9) Drugs and alcohol, (10) Academic failure, (11) Faculty-student conflicts, (12) Unexplained disappearances, (13) Future plans, (14) Selection of academic areas of concentration, (15) General adjustment to university, (16) Relationships with peers, (17) General lack of direction and goal, (18) Academic and personal motivation.

The Dean of Men made referrals to, or received referrals from, the following campus and community agencies on behalf of students: (1) London Vocational Rehabilitation Services Branch, (2) Other Student Services, (3) Student Councils, (4) London Psychiatric Hospital, (5) Other London Hospitals, (6) London City Police, (7) Ontario Provincial Police, (8) Alcohol and Drug Research Foundation, (9) City and County Courts, (10) Campus Security, (11) Faculty Members, (12) Registrar's Office, (13) Academic Counsellors for Faculties, (14) Residence Hall Staff, (15) Affiliated Colleges, (16) Secondary School Liaison, (17) Admissions, (18) Student Legal Aid.

The Dean of Men is very much involved in the University's residence program in an advisory capacity. In addition to many informal meetings and contacts within these residences, the Dean of Men is a member of the following committees as they relate to student housing: (1) Advisory Committee to Residence Admissions, (2) Senate Subcommittee on Residence Operations (SURO), (3) Residence Damage Appeals Committee, (4) Residence Staff Advisory Committee, (5) Senate Committee on Student Housing (SCOSH), (6) Screening Committees for Residence Proctors, Dons, and House Seniors.

The Dean of Men is Advisor to Western's Fraternity Council of Presidents. During the 1973-1974 year the following Greek Fraternities and Societies were active at the University with total memberships shown:

Beta Theta Pi (28)	Delta Epsilon Kappa (12)	Delta Upsilon (22)
Kappa Alpha (10)	Phi Delta Theta (8)	Phi Gamma Delta (26)
Sigma Chi (45)	Zeta Psi (12)	

In addition to their own social and athletic activities during the year, Western's Fraternities joined the women's Sororities in sponsoring a number of activities open to the entire university community. Most notable was the Dance Marathon from which some \$6,000 was pledged to Multiple Sclerosis.

Following the success of cooperative activities, Western's Fraternities and Sororities joined together to form a Greek Council to promote and coordinate activities for the Greek organizations with the university community. The Dean of Men serves as an Advisor to the Greek Council.

Other campus activities in which the Dean of Men participated are the following committees on which he served: (1) Ad Hoc Committee on Theft and Vandalism, (2) Selection Committee for the Director of Career Planning and Placement Service, (3) Student Health Services Liaison Committee, Residences and Affiliated Colleges, (4) Admissions Committee - Faculty of Medicine, (5) Admissions Committee - Faculty of Dentistry, (6) Student Services Committee on Publications.

Effective August 1, 1973 the Dean of Men also became the Assistant to the Coordinator, Student Services. In this capacity he was directly involved in assisting the Coordinator of Student Services with general administrative duties within the Student Services Program.

#### STUDENT FINANCIAL AID

The Director, E. J. McLeod, completed his term of office as Past Chairman of the Association of Student Awards Officers of Ontario and as a member of the Minister's Committee on Student Awards. The Assistant Director, J. E. McClure, also worked closely with the Ministry in preparing its new brochure, and re-designing application and business forms for the 1974-75 Ontario Student Assistance Program.

Of the 16,209 students in full-time attendance in the constituent and affiliated colleges of the University of Western Ontario, 7,030 applied to this office for financial aid. Of this number, 6,643 received OSAP assistance. The Ministry has changed the name of its program from Ontario Student Awards Program to Ontario Student Assistance Program. Many significant policy changes also were made in the Ontario Student Assistance Program in 1973-74. While it might be expected that these changes would have encouraged more students to apply for financial aid, the number of applicants was proportionally the same. However, the changes in the program resulted in a dramatic increase in total loans and grants, with Canada Student Loans amounting to \$4,228,711 (\$3,690,726 in 1972-73) and Ontario Grants to \$2,972,637 (\$1,843,923 in 1972-73). Since this program began eight years ago, \$38.9 million in Canada Student Loans and Ontario Grants have been awarded to 40,423 students of this university.

The Ministry introduced a pilot loan and grant program for part-time students. Loans at 10% interest rates were available at all post-secondary institutions and grants were made available to a few of these. This university was not one of those at which grants for part-time study could be applied for.

The number of bursaries awarded from endowed funds and other sources amounted to \$65,000, about \$5,000 less than the previous year.

The following new bursaries were provided in 1973-74:

- (a) Faculty of Women's Club Bursary: Available to a female student over the age of 25 - \$100.
- (b) Cooper Laboratories Award: Students in the second, third and fourth years of the Dental Program qualified for these bursaries - 2 at \$100 and \$150.

At the end of the academic year reports were sent to all donors with the names, courses and addresses of their award-holders. Last year 77% of bursary recipients wrote letters of appreciation which were forwarded to the donors concerned.

During the year 52 loans amounting to a total of \$15,005 were made to students who were unable to obtain the assistance they required through the Ontario Student Assistance Program. Most of these loans came from endowed funds in the UWO Combined Loan Fund.

## CAREER PLANNING AND PLACEMENT

The Career Planning and Placement Service of the University of Western Ontario is located in Room 24 of the University Community Centre. It provides the following eight services to students and alumni:

- 1) Career Planning Service (Career Counselling on "walk-in" basis)
- 2) Career Information Resource Centre
- 3) Career Planning and Job Hunting Seminars
- 4) On-Campus Recruiting Program
- 5) Employment Listing Service (Full-Time, Part-Time and Summer)
- 6) Part-Time Employment Referral Program
- 7) Summer Employment Referral Program
- 8) Alumni Placement Service

On May 1, 1974, Mary Carol Schnitzler became the new Director of Career Planning and Placement. Mr. Douglas B. McGill was given new responsibilities as Employer Liaison Officer and Career Counsellor. Jan E. Crinklaw was given new responsibilities as Career Information Resource Coordinator and Career Counsellor. In addition, there are four support staff members and two part-time assistants in the department.

Career counselling offered by the department is available on a "walk-in" basis to help students to develop a career plan and prepare for the employment process.

It should be noted that each year an increasing number of Master and Doctoral level graduates and Alumni make use of the Career Planning Service.

During the past year the Career Information Resource Centre has grown in popularity and effectiveness. Many new publications useful in career planning and job hunting, plus a special section of interest to women, have been added. The Career Information Resource Centre now subscribes to daily newspapers of the major cities across Canada as well as the Canadian weekly financial publications. The telephone book collection from major Canadian cities has been increased from 6 to 14. The scope and number of employer profile binders has doubled to approximately 450 including federal and provincial government departments. Besides current graduate and undergraduate calendars from all Canadian colleges and universities, Ontario Community Colleges and other specialized educational institutions, calendars from selected colleges and universities outside Canada have been added to the collection.

A survey was conducted by the Service at registration in September 1973 to learn about the plans of 1974 graduates at the Bachelor level. A significant increase in the number of students seeking direct employment, instead of further studies, was noted. Last year 51% indicated they would be seeking employment directly upon graduation; the 1974 survey indicated that 63% of the B.A.'s would be seeking employment upon graduation.

On-Campus recruiting began November 1, 1973 and continued throughout the academic year. A total of 100 employers participated in on-campus recruitment. This represents an increase of 19.5% over the previous year.

The actual number of interviews increased at all levels.

	<u>Total Interviews</u>	<u>% of increase over previous year</u>
Bachelor	1,742	9.6
Masters	137	1.05
Ph.D.	29	92.3

At the insistence of Career Planning and Placement, the Public Service Commission retained individuals this year to arrange and administer its examinations. For the Administrative Trainee positions, 368 actually wrote the examination and 105 received interviews. For the Foreign Service Officer positions, 210 wrote the examination and 19 received interviews.

Many employers of new university graduates are choosing the direct application method for soliciting employees. In this procedure, qualified and interested graduates submit their resumes directly to the employer in response to listings in the placement service. Activity in the area of direct application is reflected in the following table:

	Bachelors		Masters		Doctoral	
	<u>1972-73</u>	<u>1973-74</u>	<u>1972-73</u>	<u>1973-74</u>	<u>1972-73</u>	<u>1973-74</u>
No. of employers	176	313	43	33	13	8
No. of positions	260	393	53	45	20	8
No. of positions	*	72	*	6	*	1

(Public Service Commission of Canada)

\*Not available

Career Planning and Placement continued the Part-Time Employment Referral Program to help students seeking part-time employment during the academic year. Referrals to employers with available part-time positions were made based upon the student's interest and qualifications for the job.

In 1973-74, 404 employers offered 1,378 positions and 974 of these were reported filled. Of 1,532 students registered, 1,114 were referred.

In 1972-73, 371 employers offered 1,087 positions available and 945 positions were reported filled. Of 1,021 students registered, 870 were referred.

#### Summer Employment Program - 1973

Career Planning and Placement also provides a Summer Employment Referral Program for students seeking summer employment. Referral of students to employers with available summer positions is always based on a student's interest and qualifications for the job concerned.

In order to enhance a student's chances of getting summer employment, Canada Manpower registration forms were also made available in the Career Planning and Placement Office.

The Alumni Placement Service, a coordinated effort between the Career Planning and Placement Service and the Alumni Association, officially began its operation on March 1, 1974. The existence of an Alumni Placement Service was announced in the spring Alumni Gazette. In the first two months 25 alumni submitted resumés to Career Planning and Placement and 10 alumni have made personal visits to the office. Further publicity on this service is being arranged for future editions of the Alumni Gazette.

#### HOUSING

The Director, Mr. A. K. Knill, reports that the supply of on and off-campus housing was sufficient to meet the needs of students in 1973-74. During the year, the University residences continued their excellent occupancy record, and from preliminary reports it appears that the ancillary budget for both the Single and Married Residences will be in a balanced position.

For the 1191 beds available in the men's residences, Medway, Sydenham and Saugeen-Maitland Halls, 2804 applications were returned, 1654 by freshmen and 1150 by upperclass and graduate students. All residences were fully occupied at the beginning of the academic year and the occupancy rate throughout the year exceeded 99%. Freshmen again represented 52% of the population in men's residence.

It should be noted that at the beginning of the academic year 101 beds (men) in Saugeen-Maitland Hall were re-allocated to women students. In 1973-74 Saugeen-Maitland Hall provided 602 beds for men and 600 for women.

As a result of the above-mentioned conversion in Saugeen-Maitland Hall, there were 1146 beds available to women students in Delaware, Spencer and Saugeen-Maitland Halls. For the 1146 beds, 2877 women students submitted formal applications, 1902 from first-year women and 975 from women students in other years. The occupancy rate in the women's residences for the academic year exceeded 99%. Of the women in residence 65% were freshmen.

It is interesting to note that both the women's and men's residences were again able to meet their target freshmen-upperclassmen quotas, as the number of upperclass students who wished to live in residence did not significantly change from the previous year.

In 1973, 258 Intersession and Summer School students stayed in the residences, whilst there were 425 summer and casual guests.

The total revenue derived from the 1973 summer operation, which includes conference groups and all student visitors, was \$368,000.

In August of 1973, Mr. R. A. Virtue, the Conference Coordinator, retired after several years of dedicated service to the University. Mr. J. M. McArthur replaced Mr. R. A. Virtue as Conference Coordinator.

For the year May 1, 1973 to April 30, 1974, the 300 one-bedroom apartments received 483 applications, whilst the 99 two-bedroom apartments received 140 applications. This compares to 410 and 154 applications respectively in the previous year. The apartments again were full during the academic year, and the occupancy rate for the whole year, as in 1972, remained at approximately 97%.

The Off-Campus Housing Service contacted by mail 1407 landlords in March 1973 to solicit listings for the 1973 Summer School and for the regular 1973-74 academic year. From this, and a subsequent advertising program, a total of 1741 listings were made available to students. Since there is an average of 2.5 beds available per unit listed, accommodation off-campus provided 4352 beds for students. By the end of September 1973, there were still 482 listings or 1205 beds available in off-campus housing.

The following table indicates the 1973 Off-Campus Housing activity compared to previous years:

	<u>1973</u>	<u>1972</u>	<u>1971</u>	<u>1970</u>	<u>1969</u>
Units listed*	1741	1992	2141	1656	1776
Units Reported Rented	1260	1331	1320	1102	1027
Units in Surplus	482	661	821	554	749

\*2.5 beds per unit listed

#### EDUCATIONAL AND VOCATIONAL COUNSELLING

Educational-Vocational Counselling (EVC) is now in its third full year of operation and has expanded its previous staff of seven to a total of ten in order to meet the ever increasing student demand for counselling services. The Director, Dr. Kevin Murphy, reports that his staff held a total of 1806 interviews, representing an increase of 44% over last year. Most students were seen for an average of 3.29 interviews (approx. 50 minutes each) while some (130) were seen only once and then referred. As a part of the continuing counselling process, 641 vocationally relevant tests were administered, scored and interpreted.

The basic function of the service continues to be provision of educational and vocational-personal counselling, individually and in groups. Seventy-two per cent of the students identify their primary concern as vocational, i.e. planning for the future, and we have found the types of issues involved may be

skill development, goal setting and information seeking, to name a few. Again, to meet the demand for expanding services, a part-time Study Skills Specialist was appointed to assist students who identify their academic difficulty with a lack of study skills. A total of 73 students were referred to the Study Skills Specialist and 55 Study Skills tests were given. Thirty-five per cent of the students seen at EVC were referred at some time during their counselling to the Occupational Resource Specialist who works with the students in the Occupational Information Centre. The Information Centre and the efforts of the Specialist are directed at giving students an opportunity to locate career areas consonant with their interests and abilities.

Group counselling was offered again this year with two groups meeting for eight sessions each. One dealing with interpersonal development had six members. The other was made up of four "mature students" (as defined by the University) and was organized primarily to deal with the types of problems most often faced by the "mature student" on campus. EVC plans to continue the availability of group counselling as it perceives the need and/or demand.

In addition to other responsibilities, EVC has taken over the administration of a variety of examinations - the Graduate Record Exam, Medical Colleges Admission Test, SACU, and the Aptitude Test for Graduate School of Business.

A review of the growth of the student population served by EVC highlights some notable increases. While 47% of clients were first-year students, 15% second year and 12% third year - for the first time 10% were "mature students". Also, while the distribution among the three major faculties (Social Science, Natural Science, Arts) was similar to last year, 9% of the students were in other faculties and 6% were not presently students at the University.

Future plans for EVC involve continuing the close working relationship developed with Career Planning and Placement. This effort is clearly indicated by the fact that 10% of our students were referred to EVC by Placement and we referred a similar number to them. The Department plans to develop a liaison with the Residence Hall staff, particularly the proctors, dons and those in closest contact with the students. In addition to educating the staff about the services provided by EVC - this contact would offer the Residence Hall personnel a unique in-service training program in working with students.

An essential activity of a responsive student service is a follow-up program which seeks input from students who have used the service. For the third year EVC has sent out an extensive follow-up questionnaire to student clients. A significant 53% of the returns are already in, and the general ratings and comments have been quite favourable.

#### FOREIGN STUDENTS

Foreign student enrolment during 1973-74 was 1918 from 85 countries. Of this number, 1263 are landed immigrants and 655 are in Canada on student visas. By comparison, the total for 1972-73 was 1308 with 943 on landed immigrant status and 365 on student visas. Those countries with the largest representations in the total foreign student enrolment are the United Kingdom with a total of 473, Hong Kong with 286, and the United States with 255. First year admission statistics indicate a total intake of 694 foreign students.

Approximately 150 newly arriving students were assisted by the reception service during late August and September. Most were met at the airport and taken to temporary accommodation in residence. Volunteers and staff assisted the students in locating permanent accommodation and in general orientation to the campus and London. Several social events were held during the year including a reception hosted by the Mayor, a Christmas party by President and Mrs. Williams and three outings organized by community groups.

The Foreign Student Advisor has continued to spend much of his time advising foreign students and acting as an "ombudsman" on their behalf in dealing with the university and with various government departments and other agencies.

The summer of 1974 will provide the first opportunity for an assessment of the new, more restrictive employment regulations upon foreign students. Preliminary reports indicate that foreign students are finding some difficulty in obtaining work permits from Canada Manpower for interesting summer jobs.

Mr. Ron McGraw, Foreign Student Advisor, would like to express his thanks to the members of the London community and Friendly Relations with Overseas Students (FROS), for their many contributions towards the welfare of the foreign students.

#### CHAPLAINS

The following six chaplains were appointed to serve the University in 1973-74:

Canon Victor Blake, Anglican  
 Rev. Ray Christenson, Lutheran  
 Rev. Rudy Janzen, Anabaptist Mennonite  
 Rev. Richard Murphy, Roman Catholic  
 Rev. George Rousom, United  
 Rev. John Van Til, Christian Reformed

Besides officiating at student marriages and offering seminars on marriage preparation, the chaplains try very hard to respond to the religious needs of the total University community. They do this by providing regular worship services, opportunities for group discussion on interesting contemporary issues, and by offering university accredited courses in religious studies.

The chaplains meet regularly to consider new and more effective programs. Besides this, their chairman attends the monthly meetings of the senior personnel in Coordinated Student Services.



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 1973 winners of the President's Medals are:

Single Poem:	No award.
Short Story:	Jack Hodgins, "After the Season," in <u>Wascana Review</u> .
Scholarly Article:	No award.
General Article:	Peter C. Newman, "Reflections on a Fall from Grace," <u>Maclean's</u> .

The members of the Awards Committee this year were: P. Baker, T. Collins, W. B. Key, E. Sanborn, L. Surette.

APPENDIX TO PRESIDENT'S REPORT

PART II

PUBLICATIONS

OF MEMBERS OF FACULTY & STAFF

FOR THE ACADEMIC YEAR

ENDED JUNE 30, 1974

THE UNIVERSITY OF WESTERN ONTARIO  
LONDON CANADA

TABLE OF CONTENTS

FACULTY OF ARTS	A	Ophthalmology	EO
Classical Studies	AA	Otolaryngology	EP
English	AB	Paediatrics	EQ
French	AC	Pathology	ER
German	AD	Pharmacology	ES
Philosophy	AF	Physiology	EU
Russian Studies	AG	Psychiatry	EV
Spanish & Italian	AH	Radiology - Diagnostic & Therapeutic	EW
FACULTY OF SCIENCE	B	Surgery	EX
Applied Mathematics	BB	Occupational & Physical Therapy Program	EZ
Astronomy	BC		
Chemistry	BH		
Computer Science	BJ	FACULTY OF NURSING	F
Geology	BK		
Geophysics	BL	FACULTY OF DENTISTRY	G
Mathematics	BN	Oral Medicine	GB
Physics	BP	Paediatric Dentistry	GC
Plant Sciences	BR	Restorative Dentistry	GE
Zoology	BS	Social Dentistry	GF
FACULTY OF SOCIAL SCIENCE	C	SCHOOL OF BUSINESS ADMINISTRATION	H
Anthropology	CA	FACULTY OF LAW	J
Economics	CB	SCHOOL OF LIBRARY & INFORMA- TION SCIENCE	K
Geography	CC	FACULTY OF PHYSICAL EDUCATION	L
History	CD		
Journalism	CE		
Political Science	CF	ALTHOUSE COLLEGE OF EDUCATION	M
Psychology	CG	Classical Studies	MC
Secretarial Science	CH	English	MG
Sociology	CJ	Geography	MH
FACULTY OF MUSIC	D	History	MK
		History of Education	ML
		Modern Languages	MO
FACULTY OF MEDICINE	E	Music	MP
Anaesthesia	EA	Philosophy	MQ
Anatomy	EB	Psychology	MU
Bacteriology & Immunology	EC		
Biochemistry	ED	FACULTY OF ENGINEERING	N
Biophysics	EF	BRESCIA COLLEGE	P
Cancer Research	EG	KING'S COLLEGE	Q
Clinical Neurological Sciences	EH	UNIVERSITY RELATIONS & INFORMATION	T
Epidemiology & Preventive Medicine	EJ	LIBRARY SYSTEM	U
Family Medicine	EK	LATE SUBMISSIONS	X
History of Medicine & Science	EL		
Medicine	EM		

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 Index at the end of this volume.

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For joint authors see the Name Index at the end of this volume.

NAME INDEX

Abdelaal, A.E.	EU001, EU002.	Appleton, T.G.	BH005, BH006.
Abdelaal, H.A.	CG001, CG002.	Arboleda, A.	CG024.
Abdu, M.A.	BP001.	Archibald, T.R.	H052, H053.
Abrahams, S.	EC001, EC021, EC022, EM001, EM002, EM055, EM056.	Archibald, W.P.	CJ001.
		Armstrong, D.T.	EN005, EU003, EU004, EU005, EU021, EU022, EU025, EU026, EU034, EU036, EU037, EU039, EU050.
Abu-Sitta, S.H.	N001, N002, N003, N004, N038.		CD001, CD002, CD003, CD004, CD005, CD006, CD007, CD008, ML001.
Ackles, K.N.	ES020, ES021.	Armstrong, F.H.	EV003.
Adamson, D.H.	EA001, EA002.		J001, J002.
Adelman, A.G.	EV001, EV002, EV008, EV009, EV010, EV014, EV015, EV025, EV027, EV028, EV030, EX008.	Armstrong, H.	BH007, BH008, BH094, BH095.
	EM008, EM046.	Arnold, B.J.	AC001.
Ahmad, D.	CG036, H028.	Arnold, D.R.	EH007.
Ahmed, S.A.	EM059, EM075, ES005.	Arnold, I.A.	AH001, AH002, AH003.
Ahuja, S.P.	ED053.	Aronson, A.E.	AC002.
Ainsworth, P.J.	ED001, ED023, ED024, ED054.	Asensio, J.	EU006, EU011.
Aithal, H.N.	EA009, EH016.	Atance, F.R.	EU007.
Aitken, R.R.	BP002.	Atkin, A.	EM003, EM004, EM005, EM022.
Alberding, N.	EC017.	Atkinson, D.H.	CB001.
Albert, D.M.	EX020, EX021, EX022.	Austin, T.W.	AA001, AA002. N005.
Alderson, M.	MK001.	Avio, K.L.	
Aldred, R.W.	EV025.	Avotins, I.	EP001.
Aldridge, H.	BP003, BP024, BP025.	Awad, M.B.	L003.
Alford, W.P.	ED014.		EM006, EM007.
Ali, H.	ED002.	Babb, J.W.	EX001.
Ali, M.	BH001.	Bailey, D.A.	EA003, EA004, EA010.
Ali, M.K.	BN001.	Bailey, R.R.	EP001.
Ali, M.M.	EM073.	Bailey, W.H.	BH009, BH010, BH011, BH012, BH013.
Allan, G.	EH012, EP001.	Bain, J.A.	N036, N066.
Allcock, J.M.	EN001.	Baines, H.E.E.	CJ002.
Allen, H.H.	BH002, BH003, BH004, BH061.	Baird, N.C.	BH026.
Allnatt, A.R.	EB001, EB023.		EC002, EC016.
Altmann, G.G.	EH001, EH002, EH003, EH004.	Baker, C.G.J.	EG001, EG002, EG004.
Amacher, A.L.	ER001, ER002. H041.	Balakrishnan, T.R.	EH005, ER003, ER004.
	EM028.	Baldwin, H.W.	GB012.
Anderson, C.	BC010.	Ball, F.R.	
Anderson, C.D.	EF033.	Ball, J.K.	
Anderson, G.H.	N042.	Ball, M.J.	
Angel, G.R.P.		Ball, R.G.	
Aniol, V.			
Anvari, M.			

Balogh, L.V.	J003.	Bichler, R.E.J.	BH022.
Bambrick, F.K.	CE001.	Biehn, J.T.	EK001.
Bancroft, G.M.	BH014, BH015,	Bieman, E.	AB001, AB002,
	BH016, BH017,		AB003, AB018.
	BH018, BH019,	Bigelow, C.C.	ED003, ED004,
	BH020, BH021,		ED005.
	BH090, BH091.	Bigelow, W.G.	EV001, EV002,
Bancroft, J.B.	BR001, BR002,		EV025.
	BR011, BR018,	Birchall, G.	MK001, MK005.
	BR019.	Birnbaum, A.	EC020, EM054.
Banks, M.A.	U001.	Birnbaum, G.I.	BH023.
Banting, D.W.	GF001.	Birtwell, R.J.	BH007, BH008.
Baran, A.	N089.	Black, W.A.	EC003.
Baran, D.	CG003, CG054.	Blackburn, J.A.	BB002, BB015.
Barbenel, J.C.	EF001, X001.	Blackwell, D.S.L.	BH024.
Barclay, D.W.	BB014.	Bland, B.H.	EU046.
Barlow, R.	CB002.	Bleasdale, F.	CG052.
Barnard, F.M.	CF001, CF002,	Blomqvist, A.G.	CB005, CB006.
	CF003.	Blume, W.T.	EH006, EH007.
	EH005.	Bocking, J.K.	EF002, EF003,
Barnett, H.J.M.	L001, L002.		EF004.
Barney, R.K.	EM034.	Boersema, J.M.	H001, H002,
Barr, J.W.	EB002.		H003.
Barr, M.L.	BH009, BH010.	Bolgan, A.C.	AB004.
Barr, R.F.	BC001.	Bolton, C.F.	EH008, EH018.
Barrette, R.	J004.	Bolton, J.R.	BH025, BH049,
Barton, P.G.	ER009.		BH074, BH105,
Barton, W.B.	N006, N007,		EC013.
Base, T.E.	N008, N009,	Bone, G.	EH014.
	N087.	Bonneau, R.	BH087.
	N010.	Borda, I.	EM009, EM010,
Bassily, S.F.	BS011.		EM011, EM012,
Bateson, D.W.	BS001.		EM044, ES012.
Battle, H.I.	EX013.	Borra, E.F.	BC002, BC003,
Baxter, C.R.	CB015, CB016.		BC004.
Beavis, D.A.	BL005.	Borwein, B.	EB003.
Beck, A.E.	BJ001, BJ002.	Boughner, D.R.	EF026, EM033.
Beckhoff, G.F.	N011, N012,	Boughner, S.G.	EV006, EV007,
Beeckmans, J.M.	N013, N065.		EV008, EV009,
	N013.		EV010, EV011,
Behie, S.W.	EC018, EM008,		EV012.
Bell, D.A.	EM052.	Bourke, I.J.	EB004.
	P003.	Bourns, T.K.R.	BS002.
Bell, J.M.	CG004.	Boutilier, R.G.	CG072.
Beninger, R.J.	N036, N047,	Bowden, T.	EF005.
Bergougou, M.A.	N064, N066.	Box, B.M.	CG045, EU008,
	H025.		EU035.
Bernhardt, K.L.	BK001.	Boyce, L.H.	EF013.
Bertrand, C.	BB001.	Boyd, G.S.	EU039.
Bessis, D.	EV004, EV005.	Boyd, J.A.	M0001.
Betriu, A.	CG037.	Boyd, R.N.	BP003.
Bevan, A.R.	CB003, CB004.	Boydell, C.L.	CJ003, CJ004,
Bhatia, K.B.	EC025.		CJ005, CJ006,
Bhatt, P.N.			CJ007, CJ008.

Boyle, J.A.	ED044, ED045.	Buck, C.	EJ001, EJ002.
Bracegirdle, M.	L004.	Buck, R.C.	EB031.
Bracken, D.E.	BH026.	Budreau, C.H.	EB007.
Bradbury, S.M.	EC004, EC024.	Bukowsky, M.	EM071.
Bradley, J.S.	N029.	Bukta, J.F.	BH033.
Braidwood, J.L.	BS019.	Bulani, W.	N030.
Bramwell, J.R.	CG025, CG070.	Burchell, H.B.	EV030.
Bramwell, L.	F001.	Burgess, D.F.	CB007.
Brand, J.C.D.	BH027, BH028,	Burgess, J.	BR017.
	BH029, BH030,	Burghardt, W.	AH004.
	BH073, BH099.	Burley, K.H.	CB008.
Brandt, G.J.	J005, J006,	Burron, B.F.	CG009, CG042.
	J007, J008,	Burton, A.C.	EF006, EF007.
	J009, J010,	Bush, W.	AC003, AC004,
	J011, J012.		AC005, AC006,
	BP030.		AC007.
Brannen, E.	BP004.	Bushnell, S.I.	J014, J015,
Bratteng, O.M.	D001, D002.		J016.
Bray, K.I.	EU020, EU030.	Butchey, M.	EM049.
Brenner, B.M.	EM076.	Butler, A.W.	CC002.
Brewster, H.P.	EA014.	Butler, K.D.	BH016, BH017.
Brindle, G.F.	H004, H005.	Butler, R.W.	CC001, CC014.
Britney, R.R.	CD007.	Butlin, G.R.	EA006.
Brock, D.J.	AA003.	Butts, R.E.	AF006.
Broege, V.A.	AF001.	Buza, R.C.	EH006.
Bronaugh, R.N.	CJ009.	Byrne, A.R.	CA001.
Brook, R.C.	GB001, GB002,		
Brooke, R.I.	GB003.	Cabral, R.	CJ059.
	EM003.	Cain, J.P.	EM017, EM063.
Brooks, G.F.	EU006, EU009,	Calaresu, F.R.	EU012, EU013,
Brooks, V.B.	EU010, EU011,		EU016, EU024,
	EU014, EU015,		EU043, EU044,
	EU045.		N019, N021.
	F002.	Callomon, J.H.	BH028,
Brown, B.	BK022.	Cameron, W.J.	K001.
Brown, G.C.	N075.	Campbell, J.G.	T001, T002,
Brown, J.D.	AB005.		T003, T004.
Brown, M.M.S.	BH031.	Campbell, M.J.	EH009, EH015.
Brown, N.	ED002.	Campling, B.	EF020.
Brownstone, Y.S.	BN002, BN003,	Campling, R.	EF008.
Bruen, A.A.	BN004.	Canham, P.B.	EF007.
	EB005, EB006,	Canzona, L.	Q001.
	EB009.	Carey, L.S.	EC005.
Bruni, J.E.	J013.	Carlson, P.M.	CG010.
	ES001.	Carmichael, C.M.	BL008.
Bryant, A.W.	AF002, AF003,	Carniere, L.	CG058.
Bryson, J.S.	AF004, AF005.	Carroll, J.M.	BJ003, BJ004,
Bub, J.	N014.		BJ005, BJ006,
	BH032.		BJ007, BJ008,
	CG005, CG006,		BJ009.
Buchanan, E.V.	CG007, CG008,	Carroll, K.K.	ED006.
Buchanan, G.W.	CG011.	Carroll, S.E.	EX002, EX003,
Bucher, B.D.	CJ042.		EX004.
Bucher, R.			

Carron, A.V.	L003, L004.	Clark, H.C. (cont'd)	BH041, BH042,
Carter, R.A.L.	CB027.		BH043, BH044,
Cartwright, J.R.	CF004, CF005.		BH045, BH046,
Castle, G.S.P.	N005, N015,		BH047, BH048.
	N039, N043,	Clark, M.G.	BH018.
	N086.	Clark, R.J.	MK002, MK003,
Caveney, S.	BS003.		MK004.
Cavers, P.B.	BR003, BR013.	Clark, W.F.	EM013.
Chakravarty, K.	EA005.	Clarke, A.	EM036.
Chamberlain, M.J.	EM026, EM027.	Clarke, Jr., B.M.	BH008.
Champness, P.E.	BK002.	Clarke, O.	EM014.
Chan, A.C.	ED007.	Clattenburg, R.N.	EB006, EB008,
Chan, G.	EM021.		EB009.
Chan, J.S.	N016.	Clayton, R.S.	EV013, EV026.
Chan, L.K.	BN005.	Clement, J.G.	ES002, ES003.
Chan, N.N.	BN005.	Clouston, J.S.	U025, U026.
Chan, R.K.	BH034, BH035,	Cockett, S.A.	EB010.
	BH037.	Cohen, A.M.	CJ010, CJ011,
	BH027, BH028.		CJ012.
Chan, W.H.	BB003.	Coles, J.C.	EM059.
Chan, Y.F.	BL001, BL002.	Colhoun, E.H.	ES002, ES003,
Chandra, U.	BH036.		ES005, ES022.
Chaney, R.E.	EM021.	Collins, J.A.	EN002, EN011,
Chang, G.	EH018.		EN013.
Chasman, L.R.	BN006.	Collins, J.G.	BP027, BP029.
Chatters, A.W.	EG003, EG005.	Collins, T.J.	AB006.
Cheevers, W.P.	EU012, EU013,	Collins, W.M.	BB004.
Chess, G.F.	N017, N018,	Comley, L.M.	EM057.
	N019, N020,	Connidis, I.A.	CJ004.
	N021.	Conrad, B.	EU014, EU015.
	U002, U003,	Constantine, T.A.	N102.
Chevendra, C.R.	U004, U005,	Conway, J.B.	CG011.
	U006, U007,	Cook, R.A.	ED031.
	U008, U009,	Cooke, J.D.	EU010, EU033.
	U010, U011,	Cordy, P.E.	EM015.
	U012, U013,	Cosentino, F.	L005, L006,
	U014, U015,		L007, L008.
	U016, U017,	Cost, C.K.	BH025.
	U018, U019,	Cost, K.	BH049.
	U020, U021,	Cottle, M.K.W.	EU016.
	U022, U023,	Couchie, D.R.	EF014.
	U024.	Courchene, T.J.	CB010, CB011,
	BH037.		CB012, CB013,
Chew, H.A.	BH005, BH038,		CB014, CB015,
Chisholm, M.H.	BH039.		CB016.
	EM008.	Covvey, H.D.	EV006, EV007,
Chodirker, W.B.	BB014.		EV008, EV009,
Choo, F.C.	BK003, BK004.		EV010, EV011,
Church, W.R.	CB009.		EV012, EV013,
Clark, C.S.	GB014.		EV014, EV015,
Clark, G.M.	BH005, BH006,		EV016, EV017,
Clark, H.C.	BH022, BH038,		EV018, EV019,
	BH039, BH040,		EV026, EV027,
			EV028, EV029.

Cowley, A.P.	BC011.	Dawson, J.R.O.	BR002.
Craig, A.W.	CF006.	Day, A.W.	BR004, BR006,
Creeggan, S.	F003, F004.		BR007, BR026,
Crinklax, L.D.	CG079.		BR027.
Critz, J.B.	EU017, EU038,	Day, J.C.	CC003, CC004,
	L013.		CC005, CC006.
Crookell, H.	H006, H007,	Dayan, A.D.	ER003, ER004.
	H008, H009,	Dean, P.A.W.	BH053, BH054,
	H010, H011,		BH055.
	H012, H051.	de Fabry, A.S.	Q002, Q003,
Crowther, N.B.	AA004.		Q004, Q005.
Crump, C.K.	H013.	De La Clajada, C.	EV030.
Csapo, K.	CG053, CG058.	Dellow, P.G.	EU028.
Cumming, C.	BP005.	De Mayo, P.	BH011, BH024,
Cumming, R.	U033.		BH056, BH057,
Cummings, F.H.	CC022.		BH058, BH059,
Cummins, J.E.	BR004, BR006,		BH060, BH085,
	BR007.		BH086, BH087.
Cunningham, D.A.	EM049, EU017,	Demers, S.	BC008, BC013.
	EU018, EU019,	Demopoulus, W.	AF005.
	EU038, EU049,	Dennis, S.C.R.	BB004, BB005.
	L009, L010,	Denny, J.P.	CG013, CG014,
	L011, L012,		CG015.
	L013, L020,	De Schryver, F.C.	BH085.
	L021.	Desroches, F.	CJ013.
Curiel, R.	EV030.	Devereux, E.J.	AB007, AB008,
Currier, P.W.	EX013.		AB009, AB010,
Czornyj, N.	N102.		AB011.
Czurda, K.	BK005, N022,	Dewdney, A.K.	BJ010.
	N023.	Dick, T.J.O.	CB017, CB018.
		Dickinson, S.M.	N010, N029,
			N034, N035.
Dabinett, P.E.	BR005.	Dicks, S.	MK004.
Dalkert, C.	D003.	Dinn, J.J.	ER005.
Darley, F.L.	EH007.	Dipchand, C.R.	H014.
Darwish, R.	EM016.	Distefano, J.J.	H048.
Datta, R.K.	BH010.	Dluhy, R.G.	EM017, EM063.
Daugharty, T.M.	EU020.	Dobell, W.M.	CF007, CF008,
Daugulis, A.	N104, N105,		CF009, CF010.
	N107.	Doemeny, L.J.	BH089, BH106.
Dave, V.	BH050, BH051.	Doherty, D.	J012.
Davenport, A.G.	N002, N024,	Dolnick, B.	CJ046.
	N025, N026,	Donald, L.J.	EQ001, EQ002,
	N027, N077.		EQ003.
	CG006.	Donisch, E.W.	EB011.
Davidson, P.	BH052.	Dorner, I.	EU017.
Davies, B.W.	CB002.	Dossetor, J.B.	EM018, EM045,
Davies, G.W.	N028.		EM047.
Davies, J.S.	N009.	Douglas, G.R.	BR008.
Davies, P.O.A.L.	L023.	Downie, J.A.	ED013, ED026.
Davies, R.M.	CG012.	Downs, P.G.	D004.
Davis, H.	BC013, BC014.	Dragland, S.L.	AB012, AB013.
Davis, L.	EW001.		
Dawson, D.J.			



Drake, C.G.	EA009, EH010, EH011, EH012, EH013, EH016, EH017.	Elmore, D. Emerson, G. Emerson, R.L. Emery, G.N.	BP003. H051. CD010, CD011. CD012, CD013, CD014.
Drake, G.G.	EF012.		N031.
Drayton, M.R.	EB012.	Emmerson, G.S.	AG001, AG002, AG003, AG004.
Dreimanis, A.	BK006, BK007, BK008, BK009, BK032, BK035.	Eramian, G.M.	CG016, CG017, CG018, CG019.
Dreyer, F.A.	CD009.	Evans, D.R.	BC006.
Driedger, A.A.	EM019, EW002.	Evans, J.C.	EF001.
Drinnan, A.J.	GB002.	Evans, J.H.	BP006.
Drucker, W.R.	EX010.	Evans, J.V.	ED055.
Drury, P.J.	EC006.	Ewart, D.F.	EU018, EU049, L009, L020.
Dubas, T.C.	ES017.	Eynon, R.B.	
Duff, J.H.	EX005, EX007, EX011.		
Duffy, G.	EM074.	Fagan, G.	MP004.
Duke, N.A.	BK010.	Fahselt, D.	BR009.
du Manoir, J.R.	BH081.	Faiers, A.	EU023.
Dumas, T.	N030.	Farge, Y.	BB006.
Duncan, R.I.	EF009.	Farkas, L.G.	EX006.
Dunham, C.B.	BJ011, BJ012, BJ013, BJ014, BJ015, BJ016, BJ017, BJ018, BJ019, BJ020, BJ021, BJ022, BJ023.	Farkas-Himsley, H.	EC008.
	BL003.	Farrar, J.K.	EF011.
Dunlop, D.J.	N046.	Faught, J.	EC016.
Duong, T.B.	EF010, EW003.	Fay, T.	CG064.
Durand, R.E.	ES004.	Feasby, W.H.	GC001.
Durham, H.D.	CG041.	Felderhof, C.H.	EM048, EV001, EV002, EV004, EV005, EV008, EV009, EV010, EV014, EV015.
Durnford, M.	EC007.	Ferguson, B.J.	BH054.
Duwe, A.K.	E0003.	Ferguson, G.G.	EF012, EH013.
Dyson, C.		Ferguson, K.G.	EM020.
		Fingold, D.	ED032.
Eakins, E.	EM061.	Fingrut, P.	EP004.
Ebanks, G.E.	CJ014, CJ015, CJ016, CJ017, CJ018, CJ023, CJ024, CJ025, CJ037.	Finlay, J.B.	EF001, EF013, EF014, EF015, EF016, EF022.
	N040.	Finlayson, W.D.	CA001.
Ebenstreit, K.	BK011, BK012.	Finley, R.J.	EX005, EX007.
Edgar, A.D.	EZ001.	Fischman, S.L.	GB002, GB003.
Edwardson, B.M.	EB020.	Fisher, R.A.	BH061.
Egan, D.A.	N003.	Fitz-James, P.C.	EC010, EC011, EC012.
Elashkar, I.D.	BJ024.		CD015.
Elcock, E.W.	EM044, ES012.	Flaherty, D.H.	F005.
Eldridge, C.	BS002.	Flaherty, M.J.	BK013, BK014, BK015, BK016, BK017, BK018, BK026, BK033, BK034.
Ellis, J.C.	EU021, EU022.	Fleet, M.E.	
Ellsworth, L.R.			

Flint, A.P.F.	EU003.	Gayer, R.A.	BK003.
Flores, L.	CG064.	Geddie, L.	U027.
Flumerfelt, B.A.	EB019, EB020,	Geerling, S.	ER009.
	EB025.	Geiger, H.B.	EF018.
Foreman, J.E.K.	N032, N033,	Gelinas, P.J.	N037.
	N034, N035.	George, P.M.	CJ018, CJ020,
	MK005.		CJ021, CJ022.
Forrester, J.	MK003.	Gerber, D.E.	AA005.
Fors, E.	BP001, BP004,	Geschwender, J.A.	CJ021, CJ022.
Forsyth, P.A.	BP007, BP008.	Giannandrea, V.G.	CG026.
	N036.	Gidney, R.D.	ML002, ML003,
Fournol, A.B.	ML014.		ML007.
Fowler, L.	ES005.	Gilkes, L.	CJ016.
Fowlis, R.	ES019, ES020.	Gill, R.C.O.	BK025.
Francey, I.	CB019, CB020.	Gillingham, D.E.W.	BL003.
Frankena, M.	EF017.	Gilpin, J.R.	CC005.
Franko, A.J.	BB003.	Giovannetti, P.M.	P001, P002,
Fraser, P.A.	CA002.		P003, P006.
Freedman, J.M.	ES006, ES020.	Giron, A.	D005, D006,
Freeman, D.	BP009.		D007.
Freeman, D.F.	ER006, ER007.	Gobel, F.L.	EV030.
Frei, J.V.	Q006.	Golden, J.E.	BP014.
Fric, L.	CB021.	Goldman, B.S.	EV011, EV012,
Fried, J.	EV029.		EV013, EV016,
Froggatt, G.	H014.		EV017, EV018,
Fry, J.N.	BK002, BK019,		EV019, EV025,
Fyfe, W.S.	BK020, BK021,		EV026.
	BK022, BK023,	Goldner, M.	GB014.
	BK024, BK037,	Goldschlager, A.J.	AC008.
	BK038.	Goldsmith, C.H.	EM021, EM057.
		Goldthwait, R.P.	BK009.
Gagnon, R.	EM015.	Gonzales-Valdes, A.	N106.
Galil, K.A.	EB013, EB014,	Goode, P.B.	L013.
	EB015, EB016,	Goodwin, J.F.	EM033, EV030.
	EB017.	Gordon, B.A.	ED008.
Gallaher, D.F.	BP010, BP011,	Gordon, M.	BH062.
	BP012, BP033.	Gorsky, M.R.	J017.
	H051.	Goto, G.	GE001, GE002,
Gallais-Hamonno, G.	CJ026.		GE003.
Galloway, W.	ED021.	Goulson, C.	MK003.
Galsworthy, P.R.	EB018.	Gow, W.A.	N084.
Gamma1, E.B.	BP013.	Gowda, C.K.H.	EP006.
Gammel, J.L.	EM035.	Grabow, J.D.	EH007.
Gander, M.P.	ER008, ER014,	Grace, D.M.	EC005.
Gardner, D.G.	GB004.	Grant, D.S.	CG027.
	CG020, CG021,	Grantham, P.W.	EZ002.
Gardner, R.C.	CG022, CG023,	Gray, D.F.	BC005, BC006,
	CG024, CG025,		BC007.
	CG058, CG070.	Gray, D.M.	MK001, MK005,
	ED027, ED028,		MK006, MK007,
	ED029.	Gray, G.R.	MK008, MK009.
Garland, P.B.	CJ019.	Gray, T.A.	EM022.
Gartrell, J.W.	ED014.		ED029.
Gatfield, P.D.			

Green, R.N.	ED017, ED018, N060, N061.	Haines, D.S.M.	ED014.
Greene, G.K.	D008.	Haines, R.A.	BH072.
Greenway, R.E.	EA011, EP002.	Haites, E.F.	CB022.
Gregory, C.J.	L014.	Hall, W.	EV008, EV09, EV010.
Greyson, R.I.	BR028, BR029.	Halpern, J.	BH040.
Griffiths, J.	ED009, ED012, ED016, EU017.	Hamilton, J.J.	N078.
Griffiths, J.C.	EM024.	Hamilton, J.T.	EM030, EM031, EM032, ES001, ES004, ES007, ES008, ES009, ES010, ES011, ES015.
Grindlay, A.	H015, H016, H017, H018.		ED006.
Grindstaff, C.F.	CJ005, CJ006, CJ007, CJ008, CJ017, CJ023, CJ024, CJ025, CJ026.	Hamilton, R.M.G.	ML004, ML005.
Grinwich, D.L.	EU004, EU050.	Hamilton, W.B.	BN007, BN008.
Grinwich, K.D.	ED010, ED011.	Haq, M.S.	EV030.
Groom, A.C.	EF005, EF018, EF019, EF020.	Hardarson, T.	ED043, EN003, EN012.
Grover, S.H.	BH023, BH062, BH063.	Harding, P.G.R.	BH029, BH073.
Groves, A.C.	ED009, ED012.	Hardwick, J.L.	BP015.
Guinsburg, T.N.	CD016, CD017, CD018, CD019.	Hargreaves, J.K.	EC009, EC016.
Gunton, R.W.	EM029.	Harry, T.	EM008, EM021, EM023, EM057, EM061.
Gupta, A.K.	BK026.	Harth, M.	CJ047.
Gutelius, J.R.	EH018.		CJ060.
Guthrie, J.P.	BH064, BH065, BH066, BH067, BH068, BH069, BH070.	Hartnagel, T.F.	N004, N038.
Gutteridge, D.G.	MG001, MG002, MG003, MG004, MG005, MG006, MG007, MG008, MG009, MG010, MG011, MG012.	Harvey, C.	EC003.
Gwinnett, A.J.	EB016, EB017.	Hashish, M.G.	ED014.
Gwyn, D.G.	EB019, EB020, EB025.	Hatch, L.A.	ED020, ER009, ER015, ER016.
H.K.	AH004.	Haust, H.L.	EM076.
Ha, V.	N095, N096.	Haust, M.D.	CG007.
Haddock, B.A.	ED013, ED026, ED030.	Havel, R.J.	EX018, EX019.
Haegy, F.C.	EH003.	Hawkins, J.	BR010.
Haehling von Lanzenauer, C.	H014.	Hawkins, R.J.	BP016, BP017, BP018, BP019, BP020, BP021, BP037.
Hagen, R.	BH071.	Hawthorn, W.R.	ML014.
Hahn, E.J.	CD020.	Hay, D.R.	BLO04.
Haider, R.	EM033.	Hay, G.C.	BR009.
		Hayatsu, A.	EB021.
		Hayden, D.B.	CG036.
		Heap, B.J.	CG018, CG019.
		Heapy, N.A.	BS004.
		Hearn, M.T.	EP002, EP003, EP006.
		Heath-Eves, M.J.	EV025, EX008, EX009, EX010.
		Heeneman, H.	BN006.
		Heimbecker, R.O.	
		Heinicke, A.G.	

Heinrich, G.R.	EA010.	Holmes, K.K.	EM003.
Heller, J.G.	EV011, EV012,	Holsworth, W.N.	BS005.
	EV013, EV016,	Holt, W.V.	BS006.
	EV017, EV018,	Hooker, C.A.	AF007, AF008,
	EV019, EV026.		AF009, AF010.
Heller, L.M.	AC009.	Hopkins, W.G.	BR020.
Henderson, A.R.	ED015, ED016,	Horvath, F.E.	EU011.
	ED022, ED025,	Hoshino, S.	EG001.
	ED033, ED034,	Hosking, D.J.	EM026, EM027.
	ED035, ED036,	Hotimsky, C.M.	K002, K003,
	ED044, ED045,		K004.
	ED052, ED057,	Howard, J.H.	H023, H024.
	EM024.	Howitt, P.W.	CB023, CB024.
	EM025.	Hsi, E.S.P.	BH074.
Henderson, R.	EN004, EN008.	Huang, Y.H.	CG032, EU027.
Hendry, A.T.	EC010, EC011,	Hubbard, J.	CG012.
Hendry, G.S.	EC012.	Hudson, A.J.	ED020, ED032,
	BK023.		ED042.
Henley, R.W.	EK002, EK003.	Hudson, J.	ER010.
Hennen, B.K.	EU024.	Hudson, J.D.	BB005.
Henry, J.L.	CJ027, CJ028.	Hughes, D.	EH015.
Henshel, R.L.	EV031.	Hume, L.	CC006.
Heseltine, G.F.D.	BR036.	Huner, N.P.A.	ED021.
Hickman, C.J.	BP022, BP023.	Hunter, B.K.	BH022.
Hidalgo, M.B.	EB022.	Hunter, D.H.	BH071, BH075,
Hidayet, M.A.	AB014, AB015,		BH076, BH077,
Hieatt, A.K.	AB016, AB017,		BH078.
	AB018, AB019,	Hunter, J.A.A.	EF022.
	AB020, AB021,	Hunter, W.S.	GC002.
	AB022.	Hurst, L.N.	EX006, EX014.
	N050.	Hussain, R.	EC024.
Higgs, T.	CD021, CD022.	Hutchinson, R.W.	BK001, BK010,
Hilborn, K.H.W.	EF021.		BK027.
Hill, D.A.	Q007.	Hyatt, A.M.J.	CD024, CD025,
Hill, M.B.	EX011.		CD026.
Himal, H.S.	CG076.	Hykawy, E.	F001.
Hinds, W.C.	ED008.		
Hinton, G.G.	ES003, ES013,	Ibbott, D.G.	BH055.
Hirst, M.	ES014, ES022.	Igartua, J.E.	CD027, CD028.
	EG003.	Immerwahr, R.M.	AD001.
Hiscock, J.B.	EN005, EU025,	Imrie, C.W.	ED022.
Hixon, J.E.	EU026.	Inch, W.R.	EF023, EF024,
	ED017, ED018,		EF025, EW005,
	ED019.		EW006, EX015,
	H019, H020,		EX016, EX020,
	H021, H022.		EX022.
	CG028, CG029,	Inculet, I.I.	EM037, N039,
	CG030, CG031,		N040, N062,
	CG069.		N063.
	CD023.	Inwood, M.J.	ES021.
Hohner, R.A.	EB003.	Irvine, S.H.	MU001, MU002,
Hollenberg, M.J.	EX007, EX012,		MU003.
Holliday, R.L.	EX013, EX017.	Issacharoff, M.	AC010.
	EL001, EL002.	Isyumov, N.	N025.
Holmes, F.L.			

Ivey, A.E.	CG043.	Jousse, A.T.	EH005.
Jablonski, C.	BH040.	Joussot-Dubien, J.	BH087.
Jackson, D.N.	CG009, CG028,	Judd, W.W.	BS007, BS008,
	CG029, CG030,		BS009, BS010.
	CG031, CG033,	Judge, A.S.	BL005.
	CG034, CG035,	Judson, J.W.T.	J018.
	CG036, CG037,	Julien, M.	N097.
	CG040, CG042,	Jutras, G.C.	CG070.
	CG046, CG069.		
Jacobs, P.W.M.	BH031, BH036,	Kane, J.P.	EM076.
	BH079, BH102,	Kaplun, J.	CJ009.
	BH103, BH104.	Kaufman, P.	CG017.
	EX017.	Kaufmann, J.C.E.	ER015.
Jamieson, W.G.	BP024, BP025.	Kaula, D.	AB018.
Jamshidi, A.	N025, N026.	Kaye, M.	EM015.
Jandali, T.	CC007.	Kazamias, T.M.	EM035.
Janelle, D.G.	ED001, ED054,	Keenleyside, M.H.A.	BS011, BS014,
Janki, R.M.	ED023, ED024.		BS025.
	CJ029, CJ030,	Kelly, F.	N084.
Jarvis, G.K.	CJ035.	Kendall, S.B.	CG004, CG038,
	EC008.		CG039.
Jayawardene, A.	EM028.	Kennedy, J.C.	EB024, EX018,
Jeejeebhoy, K.N.	BR036.		EX019.
Jefferson, L.	ED017, ED018.	Kennedy, L.W.	CJ028.
Jennings, B.A.	EM062.	Kertesz, A.	EA013.
Jennings, B.H.	CG019.	Key, J.	EV025.
Jessup, B.A.	EN002.	Key, W.B.	CE002.
Jewkes, D.M.	EB023.	Keypour, N.D.	AC011.
Jeynes, B.J.	EV031.	Khan, A.H.	EM033.
Joffe, J.M.	BH035.	Khan, M.I.	ES009.
Johari, G.P.	AF011, AF012.	Khan, S.	ER018, ER019.
Johnson, A.H.	N041, N042,	Kidd, R.G.	BH080.
Johnson, A.I.	N076, N084.	Kidder, G.M.	BS012.
	AF013, AF014.	Kiernan, J.A.	EB010, EB012,
Johnson, H.J.	CB025.		EB021, EB027,
Johnson, H.T.	EX023, X002.		EB030.
Johnson, L.	BR002, BR011.	Kilama, W.L.	ER002.
Johnson, M.W.	GB004, GB005,	Kimura, D.	CG040, CG041.
Johnson, R.H.	GB006, GB007,	King, D.W.	BL006, BL007.
	GB008, GB009,	King, J.	ED022, ED025.
	GB010, GB011.	King, J.F.	BH081, BH082,
	EP005.		BH083.
Johnson, W.H.	EM021.	Kingston, J.G.	BB016.
Johnston, G.	EM029.	Kinloch, A.M.	AB023, AB045.
Jones, D.T.	BP026, BP027,	Kinnear, T.C.	H025, H026,
Jones, J.	BP028, BP029,		H027, H028.
	BP040.	Kipp, E.B.	N043, N086.
Jones, T.R.	EM030, EM031,	Kirby, D.M.	CG024, CG025.
	EM032, ES007,	Klebanoff, S.J.	EM022.
	ES008.	Kleine, L.	EVO20.
Jordan, R.E.	GE001, GE002,	Kliman, M.R.	EM022.
	GE003.	Klinck, C.F.	AB024, AB025,
Josephson, R.L.	ER011.		AB026.
Joshi, V.V.	ER007.		

Knispel, R.R.	EF023, EF024, EW005, EX015.	Lawr, D.A.	ML006, ML007.
Kogon, C.S.	BC008.	Lawrence, A.H.	BH086, BH087.
Kogon, S.L.	GB012, GB013.	Lawson, D.H.	EM036.
Korey, A.	ES010.	Lawton, D.M.	CJ033, GF002.
Kosaric, N.	N044, N045, N046, N047, N048, N049, N050, N051, N052, N053, N064, N088, N100.	Lay, C.H.	CG042.
		Leach, J.J.	AF015.
		Le Duy, A.	N050, N051, N052, N053, N054, N055. N058, N059.
Kostuk, W.J.	ED016, EM024, EM029, EM034, EM035, EM048.	Lee, C.F.	ED031.
		Lee, L.M.Y.	EC021, EC022, EM001, EM055, EM056.
		Lees, R.K.	EU017.
Kouba, J.E.	BH084.	Lefcoe, M.	EM030, EM031, EM032, EM037, EM046, EM062, ES007, ES008.
Kouri, R.	CC015.	Lefcoe, N.M.	CB026.
Koven, I.	EX009, EX010.		EX010.
Kovithavongs, T.	EM018.		AF016.
Kozlovskaya, I.B.	EU011, EU045.	Leith, J.C.	BK028, BK029, BK030.
Kral, V.A.	EV021, EV022, EV023.	Lemire, G.	CE002.
		Lennon, I.M.	BK024.
Krishanan, N.	BS013.	Lenz, A.C.	EA012, EA013. ED009, ED012.
Krol, P.M.	EC008.		BN003.
Krupka, R.M.	ED031.	Leonard, V.	ML014.
Kubo, Y.	N078.	Leonardos, O.H.	BH082.
Kucerovsky, Z.	BP030.	Le Riche, W.H.	BH088, BH089.
Kuechle, D.	H029, H030, H031.	Leung, C.Y.	U028, U029.
		Leung, F.Y.	L015, L016, L017, L018, L019.
		Levinger, B.	EB029, EQ004.
Kuksis, A.	EM028.	Levkoe, R.	BH083.
Kumar, Das V.G.	BH018.	Lewars, E.G.	BH011, BH019, BH020, BH090, BH091.
Kunke1, J.H.	CJ031, CJ032, CJ036.	Lewis, C.	EM018.
		Lewis, M.D.	EF026.
Kuntz, D.	P004.	Leyshon, G.A.	ED020, ED032.
Kunzle, H.	EU048.		BH076.
Kupferstein, P.	EC013.	Li, M.D.	ML003.
Kurosawa, H.	BH041.	Li, S.K.L.	BP003.
		Libbey, E.T.	EU019.
Labelle, K.S.	N021.		EX006, EX014.
Lagarde, P.	BB006.	Liburd, E.M.	ED057, EM006, EM007, EM013, EM019, EM025, EM036, EM038, EM039, EW002.
Laman, K.J.	F006.	Lim, K.O.	
Lambert, G.R.	MC001.	Lin, C.H.	
Landstreet, J.D.	BC002, BC003, BC009, BC010.	Lin, Y-t	
		Linden, P.	
Lane, L.C.	BR001.	Lindgren, R.A.	
Lane-Smith, D.R.	BP031.	Lindley, C.	
Langendries, R.	BH085.	Lindsay, W.K.	
Langer, B.	EM028.	Linton, A.L.	
Langman, R.C.	MH001.		
Langtvet, O.P.	CC008.		
Lao, U.S.H.	EM018.		
Lawford, H.G.	ED013, ED026, ED027, ED028, ED029, ED030.		

Little, B.	H032, H033, H034, H035, H036, H037, H038, H039.	MacDonald, M.A.	BR013.
Littlewood, R.	N084.	McDougall, A.K.	CF011.
Liu, D.S.	BH027, BH028.	McDougall, N.	CJ034.
Liu, F.S.	N056, N057.	McElroy, F.	ES019.
Liu, Y.-Chien	BB007.	McEwen, F.L.	N062.
Livernash, E.R.	H049.	McFarlane, D.B.	EM036.
Lo, K.Y.	N058, N059, N074.	McGirr, D.	EC014, EM043.
Lobb, T.R.	EA006.	McGowan, J.W.	BP036.
Locke, J.W.	GB012.	MacGregor, D.C.	EV017, EV018, EV019.
Locke, M.	BS013.	McGuire, J.H.	BP014.
Lockwood, J.F.B.	EM018.	McIntyre, A.L.	BH076.
Loftus, E.	BH002, BH003, BH004.	McKay, D.F.	AB027.
Lorimer, G.W.	BK002.	McKee, A.F.	Q008.
Lounsbury, E.	H042.	McKeekan, J.	EV006.
Loutfy, R.O.	BH092.	McKeen, W.E.	BR014, BR015.
Lowndes, H.E.	ES011.	McKellar, D.A.	D009, D010, D011.
Lozada, A.	N042.	McKenzie, D.	ED033, ED034, ED035, ED036, ED057, EM025.
Lubke, R.A.	BR012.	McLean, A.P.H.	EX011.
Lund, J.P.	EU028.	McLellan, P.M.	BJ006.
Lundy, P.	ES005.	McLemore, R.	CJ029.
Ly, T.N.M.	AC012.	McLeod, J.G.	J012.
Lycett, P.	EP004, EP005.	McLoughlin, M.J.	EV004, EV005, EV025.
Lyke, R.L.	BH107.	McMillan, D.B.	BS004.
Lyon, G.F.	BP015, BP028, BP032, BP041.	McMurray, J.G.	MU004.
McAlister, N.H.	EM040.	McMurray, W.C.	ED023, ED037, ED038, ED039, ED047.
McAllister, T.A.	EM036.	Macpherson, C.F.C.	EV003, EV020.
McAndrews, J.H.	CA001.	MacRae, N.D.	BK031.
McCain, W.J.	EX006, EX014.	Maddox, D.A.	EU030.
McCann, M.J.	EM052.	Mai, F.M.	EV024.
McCarter, J.A.	EG001, EG002, EG004, EG006.	Mailer, C.	EF028.
McCaughey, W.T.E.	ER005, ER010, ER012.	Mailhot, J.	CG015.
McClement, B.A.E.	EF027.	Mak, J.	CB022.
McClement, W.D.	BP034.	Makin, B.	N063.
McClure, J.A.	EP004, EP005.	Manning, G.W.	ES009.
McCourtie, D.R.	EM062.	Mantovani, A.	BH040.
McCredie, J.A.	EF023, EF024, EF025, EW005, EW006, EX015, EX016, EX020, EX021, EX022.	Manzer, L.E.	BH005, BH006, BH017, BH039, BH042, BH043, BH044, BH045, BH046.
McDonald, C.L.	D017.	Marlborough, J.M.	BC007, BC011.
McDonald, J.A.	N060, N061.	Marshall, K.C.	EB025.
McDonald, J.W.D.	EM041, EM042, EM059.	Marti, A.	AH005.
		Martin, J.	BR027.
		Martin, J.B.	BS014.
		Martin, R.R.	BH093.

Martinello, B.P.	CJ033, GF002.	Mok, A.C.S.	CG045, EU035.
Marty, R.A.	BH085.	Montemurro, D.G.	EB006, EB009,
Matheson, W.	N107.		EB026.
Matsunami, K.	EU014, EU015.	Montgomery, D.B.	H040.
May, M.	EP006.	Montis, F.	EU008.
May, R.W.	BK032.	Moon, Y.S.	EU004, EU036.
Meath, W.J.	BH001, BH033,	Moorcroft, D.R.	BP006.
	BH084, BH096.	Morch, J.	EV025, EV029.
Medzon, E.L.	EC002, EC008,	Morchart, R.	BH095.
	EC009, EC015,	Morf, M.E.	CG035.
	EC016.	Morner, N.-A.	BK035.
Meek, R.N.	ED012.	Morrill, W.H.	CG043.
Mehar, G.	ES017.	Morrow, J.D.	EV016, EV017,
Meiners, B.	EN009.		EV018, EV019.
Mendler, P.	EV008, EV009,	Morton, B.C.	EV025.
	EV010.	Moscovich, M.J.	AA006.
Mercer, N.H.	P005.	Motoyoshi, F.	BR018, BR019.
Mercer, P.F.	CG001, CG002,	Msezane, A.	BP011, BP012,
	EU001, EU002,		BP033.
	EU020, EU029,	Mudd, J.B.	EN009.
	EU030, EU031,	Muirhead, K.J.	BL006.
	EU032.	Mukherji, K.K.	BK036.
Mereu, R.F.	BL002, BL006,	Mukkattu, M.M.	BR024.
	BL007.	Mulcahy, G.A.	Q009, Q010.
Mervart, H.	EC014, EM043.	Mullin, J.K.	BJ026, EM038,
Messinger, H.B.	CJ030, CJ035.		EM040, EM062.
Meyer-Lohmann, J.	EU014.	Munn, B.W.	AH006, AH007.
Milburn, G.	MK010, MK011,	Murphy, K.C.	CG026.
	ML003.	Murray, B.	EN001.
Miles, T.S.	EU033.	Murty, R.C.	BP034.
Millar, J.S.	BS015.	Muzika, K.	N051.
Millard, B.	EM003.		
Miller, C.D.	CG043.	Nabbe, C.E.	CJ018.
Miller, D.M.	EF029.	Nagai, T.	EF030.
Mills, D.G.	EM044, ES012,	Nagar, A.L.	CB027.
	ES013, ES014.	Nagasawa, R.H.	CJ032, CJ036.
Millward, H.	CC007.	Naiman, S.C.	EM022.
Milne, J.K.	N021.	Narayanan, P.S.	EA005.
Milnes, P.	BN009, BN010.	Natale, R.	EM006, EM007.
Mirando, M.	BR009.	Naylor, D.	BB008, BB009,
Misra, K.C.	BK033, BK034.		BB010, BB011,
Misra, R.K.	BR016, BR017,		BB012, BB013,
	BS011, BS016,		BB014.
	BS017.	Neary, P.F.	CD029, CD030,
Mitalas, R.	BC012.		CD031, CD032,
Mogenson, G.J.	CG001, CG002,		CD033, CD034,
	CG032, CG044,		CD035.
	CG045, EU001,	Neill, J.A.	CG037, CG046.
	EU002, EU023,	Neill, S.D.	K005, K006,
	EU027, EU031,		K007, K008.
	EU035.	Nelson, J.G.	CC009, CC010,
Moger, W.H.	EU034.		CC011, CC012,

(cont'd)



Nelson, J.G. (cont'd)	CC013, CC014, CC015.	Ogiriman, A.M.	L021.
Nelson, P.C.	CG031.	Ogunbadejo, T.A.	N072, N079.
Nemzek, T.L.	BH089, BH106, BH108.	Ogura, J.H.	EP006.
Nenonen, L.K.	N084.	O'Hea, E.K.	EM077.
Nerenberg, M.A.H.	BB002, BB006, BB015.	Okazaki, H.	EH006.
Ness, G.W.	L020.	Okwuasaba, F.	ES015.
Neufeld, R.W.J.	CG047.	O'Leary, P.T.	MQ001, MQ002, MQ003, MQ004.
Neuhauser, R.	AG005, AG006, AG007, AG008, AG009.	Olive, P.L.	EF025, EX016.
Neunteufel, R.A.	BH094.	Oliver, G.L.	E0002.
Newell, G.H.	EU037.	Olson, A.T.	N073.
Newell, J.P.	CJ067, EK004, EK005, EM057.	Olson, L.A.	EM018, EM045.
Newkirk, R.L.	BJ025.	O'Neil, T.J.	AB023.
Newkirk, R.T.	BJ026, CC016.	Oosterhoff, A.H.	J019, J020, J021, J022, J023, J024.
Newman, J.C.	AH008.	Orange, J.	Q011, Q012, Q013.
Newson, E.F.P.	H013.	Orkwiszewski, J.A.J.	BR020.
Newton, A.J.	N095.	Orloci, L.	BR021, BR022, BR023, BR024, BR031.
Ng, H.Y.	BH056.	Osborn, C.E.	U030.
Ng, S.K.	ED040.	Oteruelo, F.T.	ED020.
Nguyen, H.T.	N047, N050, N064.	Owen, M.D.	BS018, BS019.
Nguyen, X.	N065, N066.	Oyama, K.	BH103, BH104.
Nicholls, J.V.V.	E0001.	Paivio, A.	CG049, CG050, CG051, CG052, CG053.
Nicholson, N.L.	CC017, CC018, CC019.	Palmer, F.H.	BP008.
Nilsen, M.	ED017, ED018, ED019.	Palmer, H.C.	BL008.
Nixon, J.	CJ026.	Palmer, J.	CB028, CB029, CB030, CB031, CB032, CB033, CB034.
Nkai, Y.	BH103.	Palmer, J.H.L.	N074.
Noble, E.J.	EV011, EV012, EV013, EV016, EV017, EV018, EV019, EV026.	Palomba, N.A.	CB034.
Norman, R.M.G.	CG048.	Panjer, H.H.	BN011.
Normington, G.J.	CG043.	Papadatos, K.	N090, N091.
Nourse, R.E.M.	H041, H042, H054, H055.	Papmehl, K.A.	AG010, AG011.
Novak, M.	N067, N068, N069, N070, N071.	Paquette, S.M.	EU031.
Nowak, E.S.	N016, N099.	Park, J.K.	D017.
Nuttall, J.	BP009, BP013, BP014, BP022, BP023, BP035.	Park, P.	CJ061.
Oakley, C.M.	EM033, EV030.	Parker, G.D.	AB028.
Ogelsby, J.C.M.	CD036.	Parker, G.R.	EZ003, EZ004, EZ005.
Ogilvie, J.C.	CG075.	Parker, J.M.	ES015, ES016, ES017.
		Parobek, L.	N075.
		Pastein, S.	N082.
		Paterson, D.H.	EU038.
		Paterson, G.H.	Q014.

Paterson, N.A.M.	EM046.	Possmayer, F.	ED043, EN004,
Paterson, W.I.	MR001, MR002.		EN006, EN007,
Paton, G.A.	L050.		EN008, EN009,
Patt, N.L.	EM048.		EN012.
Patterson, G.	U027.	Posthuma, A.B.	EZ006, EZ007.
Patton, J.	MK003.	Posthuma, B.W.	EZ006, EZ007,
Paty, D.W.	EA013, EH009,		EZ008.
	EH014, EH015.	Pottier, J.J.G.	CG054.
Paulekat, K.C.	BPO30.	Potts, N.	BC014, BC015.
Payne, N.C.	BH052, BH097.	Poucher, M.P.	N077.
Peach, D.A.	H043, H044,	Powers, R.	EM078.
	H045, H046,	Poyton, H.G.	GB014.
	H047, H048,	Pozsonyi, J.	EN001.
	H049.	Presser, H.A.	CJ019.
Pearson, N.	CF012, CF013,	Prodrick, R.G.	K009, K010,
	CF014, CF015,	Prytulak, L.S.	CG055, CG056,
	CF016, CF017,		CG057.
	CF018, CF019,	Pugh, S.	ES022.
	CF020, CF021,	Purdy, J.D.	ML008, ML009,
	CF022, CF023,		ML010, ML011.
	CF024, CF025.	Quigley, R.M.	BK005, N022,
	D012, D013.		N023, N037,
Pendle, K.	BPO36.		N072, N078,
Pendyala, S.	EC004, EC017,		N079.
Percy, D.H.	EC025.	Racey, P.A.	BS020.
	BK030.	Radcliffe, D.J.	ML012.
Perry, D.G.	GB012.	Radomski, M.W.	ES021.
Petersen, K.B.	GB012.	Rae, A.S.	ED041.
Petersen, N.O.	L022, L023.	Rajan, B.	AB029, AB030,
Peterson, D.R.	EB027.		AB031.
Pettit, D.R.	U031, U032,	Rajotte, R.V.	EM047.
Phelps, E.	U033.	Rake, A.T.	BH022.
	CC020.	Ram, B.	CJ037.
Philbrick, A.K.	EM028.	Ranganathan, N.	EM048.
Phillips, M.J.	EM044, ES006,	Rau, M.E.	BS002.
Philp, R.B.	ES012, ES013,	Raud, H.R.	EN005, EN010,
	ES014, ES018,		EU026.
	ES019, ES020,	Ray, C.G.	EM004.
	ES021.	Ray, D.W.	ML013, ML014.
Phipps, J.B.	BR012, BR025.	Rayner, W.B.	J024, J025,
Pincock, J.A.	BH095.		J026, J027,
Pintar, M.M.	EF023, EF024,		J028, J029,
	EW005, EX015.		J030.
	BH029.	Reaney, J.	AB032, AB033,
Pirkle, R.J.	EU006.		AB034.
Pischinger, S.	BS024.	Reberg, D.	CG012.
Planck,	EL003.	Rechnitzer, P.A.	EM049, EU019,
Plotkin, H.N.	EF019.		L010, L021.
Plyley, M.L.	N076.	Redinger, R.N.	EM050, EM051.
Pollock, G.G.	BR026, BR027.	Rees, J.P.R.	ER005.
Poon, N.H.	H050.	Rees, M.W.	BR002.
Portis, B.	CD037, CD038,	Reeves, P.	BJ007.
Pospielovsky, D.V.	CD039, CD040,	Reger, L.	EC014, EM043.
	CD041.		

Reichenfeld, H.F.	CG058.	Rudinow, J.	AF017.
Reid, J.A.	GB013.	Ruegg, D.G.	EU040.
Reimer, M.	BH072.	Rumbold, D.G.	BP030.
Remnant, R.	MK003.	Ruprecht, A.	GB014.
Rendall, J.	J003.	Russell, E.S.	EA007.
Repo, R.	EX023, X001, X002.	Ruud, C.A.	CD042, CD043.
Reuber, G.L.	CB035, CB036, CB037, CB038, CB039, CB040, H051.	Ryans, A.B.	H040.
Reynolds-Warnhoff, P.	BH109.	Sachs, K.	N070.
Richards, K.	EX009, EX010.	Sadoff, R.B.	EG005.
Richardson, J.	EF031, EW007.	Sakmar, I.A.	BB007.
Richardson, R.A.	EL004.	Sallam, M.	EM073.
Riera, A.	BH096.	Salvian, A.G.	EX005.
Rimmer, S.R.	BR015.	Sample, K.	EV027, EV028.
Rinehart, J.W.	CJ021, CJ022.	Samuels, J.W.	J031, J032, J033, J034, J035, J036, J037.
Rioux, J.E.	EN011.	Sanders, J.T.	MU001, MU002, MU003, MU005.
Roach, M.R.	BB019, EF002, EF003, EF004, EF008, EF011, EF037.	Sanfacon, R.	EN004.
Roberts, F.L.	EM003.	Sang, C.	ES005.
Roberts, J.	N015.	Sangal, S.	EM049, EU019.
Roberts, J.D.	BH071.	Santosuossa, A.	CD044, CD045, CD046.
Roberts, W.A.	CG027, CG059.	Sanwal, B.D.	ED040, ED046, ED056.
Robertson, H.A.	BS021.	Sapp, J.P.	ER013, ER014.
Robinow, C.F.	EC019.	Saraydar, E.	CB041.
Robinson, G.C.F.	EM022.	Sauer, W.C.	P006.
Robinson, J.	EC019, EU039.	Sawhney, V.K.	BR028, BR029.
Robinson, T.I.	EM048.	Sayles, F.L.	BK037.
Robson, E.G.	EQ002.	Scace, R.C.	CC015.
Roder, J.C.C.	EC018, EM052.	Scheffman, D.T.	CB042.
Rodger, N.W.	EM053.	Schindler, R.F.	E0003.
Rodriguez, J.J.	ED042.	Schlaut, J.	EM018, EM045.
Rogers, C.	BB016.	Schluetter, H.J.	AD002, AD003.
Rogers, J.	ED040.	Schmeiser, J.A.	Q015, Q016.
Rogerson, R.	CJ034.	Schmidt, G.W.	CG076.
Rokeach, M.	CG080.	Schneider, R.E.	CG008.
Rollman, G.B.	CG060, CG061, CG062.	Schnore, M.M.	CG063.
Rosati, P.A.	N080.	Schutyser, J.	BH085.
Ross, E.J.	EC019.	Schwartz, L.	EV025, EV029.
Ross, J. Jr.	EM034, EM035.	Schwartz, M.	N083.
Rossiter, R.J.	EB002.	Scrimgeour, J.H.C.	N084.
Roth, R.R.	BS022.	Seccombe, D.	ED043, EN012.
Roy, C.	N081, N082, N101.	Sechrest, L.	CG064.
Roy, J.R.	EM072.	Seguin, J.J.	EU007, EU048.
Rozanis, J.	N048.	Seguin, M.E.	CA003.
Ruben, L.N.	BS012.	Seiffert, S.L.	D014, D015, D016, D017.
		Seliskar, C.J.	BH029.

Sellery, G.R.	EA008, EA009, EH016.	Siu, S.	ED005.
Sells, V.E.	BP020, BP037.	Skinner, H.A.	CG030, CG069.
Semotiuk, D.M.	EU049, L014, L024, L025, L026, L027.	Skinner, N.F.	Q017, Q018.
Semple, E.W.	EU042.	Slemon, A.G.	MU006.
Semple, P.F.	ED044, ED045.	Smando, R.	ED046.
Sergovich, F.	EN001.	Smart, R.G.	CJ062, CJ063.
Sethi, S.	ER015.	Smieja, F.L.	AH010, AH011, AH012, AH013, AH014.
Shah, P.M.	EV030.	Smith, D.J.	EV031.
Sham, T.K.	BH018, BH021.	Smith, D.L.	EC023.
Sharp, C.	P007.	Smythe, P.C.	CG025, CG070.
Shaver, A.	BH017.	Snoek, C.W.	N087.
Shaver, E.L.	EB028.	Snyckers, F.D.	EH017.
Shaw, D.B.	L020.	Solomon, R.M.	J039.
Shaw, D.C.	H014, H052, H053.	Soltan, H.C.	EB029, EQ004.
Shaw, L.E.	D017.	Song, S.H.	EF005, EF018, EF020, EF032, EF033.
Shawyer, B.L.R.	BN012.	Sorrentino, R.M.	CG071, CG072.
Shearing, D.J.	BH076, BH077.	Sorrentino, R.S.	CG081.
Sheasby, J.S.	N085.	Spaeth, M.J.	L049, L050.
Shelstad, K.A.	N043, N086.	Spence, I.	CG073, CG074, CG075.
Sherebrin, M.H.	EF021, EF027.	Spence, M.W.	CA004.
Shervill, R.N.	AH009.	Spencer, E.A.	EF015.
Shillito, J. Jr.	EH004.	Spitzer, W.O.	EM021, EM057.
Shires, G.T.	EX013.	Spoerel, W.E.	EA003, EA004, EA005, EA010, EA011, EA012, EA013.
Shizuka, H.	BH057, BH058.	Spooner, E.T.C.	BK038.
Shope, R.E.	EC025.	Squires, B.P.	EU041.
Short, L.L.	BS017.	Srinivasan, V.	BH110.
Shyr, H.J.	BN013.	Srivastava, O.P.	BR030.
Siegel, J.A.	CG065, CG066.	Srivastava, V.K.	ED005.
Siegel, W.	CG066.	Stacey, F.D.	BL003.
Siess, T.F.	CG067.	Stagat, R.W.	BP022, BP023.
Silver, M.D.	EM048.	Stamatoyannopoulos, G.	EM022.
Silverman, R.	BN004.	Stanek, W.	BR031.
Silverman, R.A.	CJ038.	Stanley-Porter, D.P.	AA007.
Sim, S.K.	BH083.	Steel, K.O.	EQ003.
Simner, M.L.	CG068.	Steele, I.K.	CD048, CD049.
Simon, A.L.	EM034, EM035.	Steele, J.E.	BS021.
Simpson, C.M.	CD047.	Stelling, J.	CJ042.
Simpson, D.W.	BL007.	Stepaniak, R.F.	BH097.
Sinclair, N.R.	EC001, EC014, EC020, EC021, EC022, EM001, EM002, EM043, EM054, EM055, EM056.	Stephanopoulos, G.	N042.
Singer, B.D.	CJ039, CJ040, CJ041.	Stephens, K.R.	BH098.
Singh, R.P.	EB007, EB009.	Steven, F.S.	EF016.
Singhal, S.K.	EC006, EC007, EC018.	Stevens, C.G.	BH030, BH099.
Sinha, S.P.	J038.	Stevens, J.M.	BS012.
		Stevenson, H.A.	CD008, ML001, ML015, ML016, ML017, ML018, ML019.

Stevenson, J.A.F.	EU008.	Svenonius, E.F.	K011, K012,
Stevenson, J.H.	CH001.		K013.
Stevenson, P.M.	EU039.	Svrcek, W.Y.	N046, N052,
Stewart, D.J.	EU042.		N089, N090,
Stewart, G.G.	BR035.		N091.
Stewart, K.R.	L028.	Swaminathan, C.	N096.
Stewart, P.J.	ED047.	Swart, G.T.	EU042.
Stiller, C.R.	EC001, EC014,	Swartman, R.K.	N092, N093,
	EC020, EC021,		N094, N095,
	EC022, EM001,		N096, N097.
	EM002, EM018,	Sweeney, P.	EX006.
	EM043, EM045,	Swenson, J.R.	BH011, BH012,
	EM047, EM054,		BH013.
	EM055, EM056,	Szilard, A.L.	BJ010.
	ER015.		
Stoddart, R.W.	EB030.	Tague, J.M.	BJ008, BJ009.
Stoessel, A.	BH023.	Talman, J.D.	BB001.
Stone, G.L.	CG076.	Talman, J.J.	CD050.
Stothers, J.B.	BH023, BH032,	Tam, W.H.	BS006, BS020,
	BH039, BH050,		BS023.
	BH055, BH062,	Tan, C.T.	BH100, BH101.
	BH063, BH078,	Tanaka, H.	N071.
	BH098, BH100,	Tapper, S.C.	BS015.
	BH101, BH112.	Tarasuk, J.D.	N087, N098.
Stothers, S.C.	P006.	Tasker, J.T.	EN013.
Strejan, G.H.	EC004, EC024.	Taves, D.M.	EM015.
Stretch, R.	Q018.	Taylor, C.P.S.	EF028.
Strickland, K.P.	ED020, ED032,	Taylor, J.R.	H026, H027,
	ED041, ED042,		H028.
	ED048.	Taylor, K.W.	EV011, EV018,
Stuart, E.M.	EN001.		EV029.
Stuart, R.K.	EM041, EM042,	Teevan, J.J., Jr.	CJ043, CJ044,
	EM058, EM059.		CJ045, CJ046,
Suau, R.	BH024.		CJ047.
Sugarbroad, I.	H048.	Teo, K.C.	BH101.
Sukava, A.J.	BH092.	Thierrin, G.	BN013, BN014,
Sullivan, J.M.	EM063.		BN015.
Sullivan, P.J.	BB017.	Thomas, J.S.	EU010.
Sullivan, S.	EM060.	Thomas, L.S.	N099.
Sunderland, S.M.	EG002.	Thomas, M.R.	EU043, EU044.
Surette, P.L.	AB035, AB036,	Thompson, J.M.	EM008, EM061.
	AB037, AB038.	Thompson, J.N.	CD051, CD052,
	N027.		CD053, CD054.
Surry, D.J.	EF010, EF017,	Thompson, M.G.	EV032.
Sutherland, R.M.	EF025, EF031,	Thompson, M.W.	BS001.
	EF034, EF035,	Thompson, R.T.	EF023, EF024,
	EF036, EW003,		EW005, EX015.
	EW006, EW007,	Thorsley, S.A.	BH079.
	EW009, EW010,	Tignor, G.H.	EC025.
	EX016.	Tillotson, J.G.	BP038.
Suzuki, F.	N088.	Ting, C.L.	BP021.
Suzuki, M.	GE003.	Todd, G.W.	N100.

Toogood, J.H.	EM040, EM062.	Vilquin, J.C.	AC013.
Tracy, G.L.	AD004, AD005,	Vivian, P.E.	J024.
	AD006, AD007.	Vogan, E.L.	BP001.
Tremblay, M.	N101.	Volesky, B.	N050, N102.
Trevithick, J.R.	ED010, ED011,	Voss, W.A.G.	EM047.
	ED049, ED050,		
	ED051.	Wagner, G.W.	BR011.
Trillo, A.	ER016.	Wahid, H.A.	EB022.
Trimble, A.S.	EV001, EV002,	Walden, D.B.	BR008.
	EV025.	Walker, I.G.	ED007, ED055.
Troughton, M.J.	CC016, CC021,	Walker, J.D.A.	BB005.
	CC022.	Walker, N.F.	BS001.
Trowse, W.F.	N098.	Wallace, A.C.	ER011, ER015.
Tseng, C.S.	U027.	Wallace, J.F.	EM005.
Tsuboi, T.	BH036, BH102,	Walmsley, J.G.	EF008.
	BH103, BH104.	Walsh, M.R.	AB039, AB040,
	EM063.		AB041, AB042.
Tuck, M.L.	ED052.	Walters, R.L.	AC014.
Tuckerman, J.F.	BP002, BP039,	Wanamaker, M.G.	AB045.
Tunaley, J.K.E.	BP040.	Ward, J.E.H.	BH017, BH039,
	EM003.		BH045, BH046,
Turck, M.	BR033.		BH047, BH048.
Turcon, G.	EM006, EM007.	Warden, J.T., Jr.	BH105.
Turnbull, D.I.	CJ048.	Ware, W.R.	BH088, BH089,
Turner, R.J.	ED001, ED023,		BH106, BH107,
Tustanoff, E.R.	ED024, ED053,	Warnhoff, E.W.	BH108.
	ED054.		BH050, BH051,
			BH109, BH110.
Ueda, Y.	BH068, BH069,	Warntz, W.W.	CC023, CC024.
	BH070.	Warren, B.A.	ER017, ER018,
	EU020.		ER019, ER020.
Ueki, I.F.	CG043, CG077.	Warren, J.P.	BH071.
Uhlemann, M.R.	ER015.	Warwick, O.H.	EW008.
Ulan, R.A.	EU011, EU045.	Watson, A.	N103.
Uno, M.	J040, J041.	Watson, J.K.G.	BH028.
Usprich, S.J.	BH011, BH059,	Watson, R.C.	L029, L030.
Usselman, M.C.	BH060.	Watson, W.C.	EM060, EM064,
			EM065, EM066,
			EM067, EM068,
Vales, O.	ER020.		EM069, EM070,
Vanderwolf, C.H.	CG004, EU046,		EM071, EM072,
	EU047.		EM073, EM074.
van Huystee, R.B.	BR030, BR032,	Watters, R.E.	AB026.
	BR033.	Watters, W.B.	EB031.
Van Tienhoven, A.	BS024.	Watton, D.G.	BS025.
Varkey, G.P.	EA014.	Watts, J.W.	BR016, BR017.
Veevers, J.E.	CJ049, CJ050,	Waygood, E.B.	ED046, ED056.
	CJ051, CJ052,	Wearing, G.A.	L031.
	CJ053, CJ054.	Webster, A.R.	BP032, BP041.
Vernon, J.M.	H054, H055.	Wehlau, A.	BC008, BC013,
Vernon, R.	CF026.		BC014, BC015.
Vidmar, N.	CG078, CG079,	Wehlau, W.H.	BC001, BC004,
	CG080, CG081.		BC016.

Weigel, R.G.	CG077.	Wilson, N.K.	BH112.
Weil, T.A.	BH040.	Wilson, R.K.	AG004, AG012,
Weinberg, H.W.	EB024.		AG013, AG014.
Wellman, A.M.	BR005, BR034,	Wilson, W.	EX006.
	BR035, N028.	Winder, C.G.	BK005, BK039,
West, J.W.	EP006.		BK040, N023.
Westhues, K.	CJ055, CJ056,	Winkler, R.L.	H005.
	CJ057.	Witherspoon, N.B.	BS014.
Westmacott, M.W.	CF027.	Wolfe, B.	EM075, EM076,
Whebell, C.F.J.	CC025.		EM077, EM078.
Whishaw, I.Q.	EU046, EU047.	Wolok, W.	AH004.
Whitby, J.L.	EC023, EC026.	Wong, N.	ED057, EM025.
White, J.H.	MP001, MP002,	Wong, P.K.Y.	EG004, EG006.
	MP003, MP004.	Wood, G.	BH032.
Whitehead, P.C.	CJ008, CJ009,	Wood, V.	F007, F008.
	CJ034, CJ058,	Woodman, R.G.	AB046, AB047,
	CJ059, CJ060,		AB048, AB049,
	CJ061, CJ062,		AB050.
	CJ063.	Woodward, R.S.	CB043, CB044,
Whitney, R.B.	EF034, EF035,		CB045.
	EF036, EW009,	Wright, M.J.	CG082, CG083,
	EW010.		CG084, CG085.
Wiesendanger, M.	EU007, EU014,	Wuensch, G.	D018, D019,
	EU015, EU033,		D020, D021,
	EU040, EU048.		D022, D023.
	CC026.	Yeomans, C.	EU008.
Wighman, W.R.	EM048, EV001,	Yoshida, A.	EM022.
Wigle, E.D.	EV002, EV004,	Young, G.M.	BK004, BK036,
	EV005, EV006,		BK041, BK042,
	EV007, EV008,		BK043.
	EV009, EV010,	Youssef, Z.	AC015.
	EV014, EV015,	Yu, K.	N048, N102.
	EV025, EV027,	Yu, P.N.	EV030.
	EV028, EV030.	Yuhasz, M.S.	L021.
Wilkening, E.A.	CJ019.	Yuzpe, A.A.	EN014.
Wilkins, P.O.	EC013.		
Willems, E.	Q018.	Zaidi, H.	CG064.
Williams, G.H.	EM017, EM063.	Zajic, J.E.	N028, N048,
Williams, J.I.	CJ033, CJ064,		N049, N050,
	CJ065, CJ066,		N051, N052,
	CJ067, GF002.		N053, N054,
Williams, M.E.	AF018.		N055, N056,
Williams, P.B.	EM074.		N057, N083,
Willis, C.J.	BH111.		N088, N089,
Willis, T.E.	EU049.		N102, N104,
Wilson, A.S.	EB004, EB022,		N105, N106,
	EB024, EB032.		N107.
Wilson, C.E.	CE003.	Zamecnik, J.	EU004, EU005,
Wilson, H.R.	AB023, AB043,		EU050.
	AB044, AB045.	Zamir, M.	BB018, BB019,
Wilson, J.D.	CD008, ML001.		EF037.
Wilson, J.K.	EM048.		

Zaslow, M.	CD055, CD056, CD057.
Zeigler, E.F.	L030, L032, L033, L034, L035, L036, L037, L038, L039, L040, L041, L042, L043, L044, L045, L046, L047, L048, L049.
Zentmyer, G.A.	BR036.
Zoltvany, Y.F.	CD058, CD059.
Zondervan, J.H.	EH018.
Zorhab, W.J.	EM028.
Zulqar-Nain, B.J.	GB015.
Zusko, E.A.	EU032.
Zuzanek, J.	CJ068, CJ069.
Zvagulis, M.	BH076.
Zwirner, W.W.	CG018.