

FEB 19 1979

THE PRESIDENT'S REPORT

FOR THE ACADEMIC YEAR ENDED

JUNE 30, 1978

THE UNIVERSITY OF WESTERN ONTARIO  
LONDON CANADA



Report of the President and Vice-Chancellor  
Report of the Vice-President, Academic Affairs  
Report of the Treasurer

Report of the Dean, Faculty of Arts  
Report of the Dean, Faculty of Business Administration  
Report of the Dean, Faculty of Education  
Report of the Dean, Faculty of Health Sciences  
Report of the Dean, Faculty of Law  
Report of the Dean, Faculty of Science

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Report of the Principal, St. Mary's University  
Report of the Principal, St. Thomas University  
Report of the Principal, Western University

Report of the Director, Centre for Continuing Education  
Report of the Director, Centre for International Studies  
Report of the Director, Centre for Research and Development  
Report of the Director, Centre for the Study of the History of the University  
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## REPORT OF THE PRESIDENT AND VICE-CHANCELLOR

Dr. G. E. Connell

### *The Challenge: Maintaining the Quality of Education*

The academic year 1977-78 was a turning point for the universities of Ontario. For the first time in many years the proportion of young people in full-time University attendance decreased. The participation of students in the 18-24 age group dropped slightly, but significantly, in 1977-78 after having risen steadily over more than a decade.

It had been assumed widely that university enrolment in Ontario would follow the population trend upward until the peak for the age group was reached in 1982-83. The experience of 1977-78, and the expectations of 1978-79, show clearly that this assumption is not valid. This in turn engenders reflection about the factors which influence the judgment of young people about their post-secondary education. The state of the economy must be one of those factors. Economic hardship and widespread unemployment can affect the judgment of students in at least two ways. For some students and their families the burden of tuition fees and living expenses may serve as a deterrent to enrolment in university. Secondly, the prospects for employment after graduation may be so insecure that students elect to search for immediate employment rather than higher education.

Looking beyond the direct impact of the economy, there may be other significant factors which would help to explain the present trends. Many students have in the past enrolled in arts and/or science programs in universities in the expectation that they would proceed eventually to graduate school or to a professional program. Some of these expectations may be tempered at the present time. In some fields, particularly education (preparation for teaching careers in primary and secondary school), there has been much publicity concerning the low demand for graduates. In other fields such as medicine, dentistry, law and business, there is intense competition for admission. Knowledge of these circumstances may deter students from seeking admission to university arts and science programs at an earlier stage.

*Statements by the Premier and other cabinet ministers indicate...a deemphasis of higher education as a desirable social goal*

Whatever the reasons for the changing enrolment pattern it presents a major problem to the universities of Ontario, and indeed, to the provincial government. The cornerstone of the provincial government's policy for universities for many years has been the doctrine of 'accessibility'. This policy stated that every qualified student in the province who aspired to enter a university would be assured of a place. (This assurance has usually been interpreted to



advanced students not to return. For the academic year 1978-79 it is clear already that the pattern has changed once again. The number of students who are coming to Western directly from secondary school is sharply lower than it was last year. This can be explained in part by the provincial trend and in part by particular circumstances which may affect Western more severely than other universities.

The minimum standard of admission from Grade 13 to any university in Ontario is a 60% average in six subjects. A few universities have required more than this minimum standard. Western, for example has required a 64% average, and stipulates that the student must have English and one of French, another language, or mathematics. Western is the only University in Ontario with these subject requirements, a factor that undoubtedly had a negative impact on our enrolment. Also, the two older Ontario universities whose programs, standards and traditions are closest to our own, modified their admission procedures or requirements this year, thus giving students who might have chosen Western a wider choice.

We are concerned about enrolment primarily because the university is deeply committed to the task of developing the minds and the substantive knowledge and skills of its students. When enrolment drops the resources which the university applies to this task are less than fully used.

*...we are firmly opposed to any adjustment which would reduce the quality of education...or be purely opportunistic*

Furthermore, the consequent decline in revenue sharply challenges our ability to maintain standards of excellence. How can the university respond in these circumstances? How should it respond?

Perhaps the first and most obvious response is to compensate for the drop in enrolment by opening the gates more widely, i.e. lowering admission standards or admitting larger numbers to certain programs (e.g. law, business) for which there are excess applicants. Some Ontario universities have adopted such expedients and there may be circumstances in which they are justified. Such alternatives have so far been rejected at Western. One of the objectives of the entrance requirements for Western is to define the kind of student (with respect to both intellectual ability and preparation) for which the academic programs of this institution are designed. We believe that it is appropriate for universities to differentiate themselves in this way, but the patterns once set should persist over time and should not fluctuate with circumstances of the moment.

With respect to programs of limited enrolment, it is certainly appropriate for universities to examine the levels of enrolment from time to time and perhaps to adjust them in the light of student demand for entrance and employment opportunities. We are firmly opposed, on the other hand, to any adjustment which would reduce the quality of education by overloading our resources, or which would be purely opportunistic, i.e. inconsistent with a



To become smaller, whether more beautiful or not, presents tremendous difficulties. Among the factors to be reckoned with are the continuing responsibility to students who have embarked upon lengthy programs, responsibility for the careers of faculty and administrative staff who are long-term employees of the university, the rules of university financing which provide a buffer against declining enrolment but which have no flexibility for adapting to particular circumstances, and finally the budgetary strategy of the provincial government which could sweep up all the potential savings resulting from declining enrolment and demand further reductions in expenditures as well. Under such circumstances any strategy which might be imagined will bring some measure of hardship to all or most of the members of the university community. It may be that those strategies which lead to the best end result may inflict the greatest hardship. I am confident that we have in the University the wisdom to find the best path and will have the courage to follow it.

#### *UWO Centenary A Busy Year*

While this report does not include a comprehensive review of the year's activities, mention must be made here that this year marks the 100th anniversary of Western's founding.

From the beginning of our planning for this anniversary over three years ago, one of our objectives was to involve as many people as possible from London and southwestern Ontario in our celebrations. From our gala evening on January 15, to our special convocation on Founders' Day, March 7, and to our 'Celebration of Learning' service on September 14, our centenary celebration has been a tremendous success and I am pleased that so many of our fellow citizens have been able to join us on these occasions.

During the year Western played host to numerous conferences and symposia, two of which deserve special mention - the meetings in May/June of the Learned Societies of Canada and Royal Society of Canada, and the August meetings of the International Society for Music Education. These meetings brought to London thousands of people from around the world who returned home with an awareness and appreciation of this region and the hospitality of its people. Over and above the goodwill and publicity these meetings engendered, they produced substantial economic benefits to area businesses.

As the London Free Press stated in an editorial of March 7 "London--indeed, Western Ontario--and the university owe each other a lot. Community and regional resources have helped Western, just as university resources have helped the community and region."

Transformed from the church-related and parochial institution of 1878, Western today is a university which has achieved national and international recognition. Still we recognize that our beginnings and our strength lie in this southwestern Ontario region, and we are proud to continue to be known as 'The University of Western Ontario'.



REPORT OF THE VICE-PRESIDENT HEALTH SCIENCES  
Dr. D. Bocking

The Health Science Faculties welcomed the appointment of Dr. G.E. Connell as President and Vice-Chancellor effective July 1st, 1977 and participated in the Special Installation Ceremony for the President on October 1st, 1977. The Health Sciences wish to record their appreciation to Dr. G.L. Reuber for his leadership and support in his role as Vice-President (Academic) and Provost. Dr. D. Bocking, Dean of Medicine, accepted the appointment as Vice-President Health Sciences effective July 1st, 1977 and continued as Acting Dean of Medicine pending the appointment of his successor. The appointment of Dr. Martin J. Hollenberg as Dean of Medicine effective August 1st, 1978 is welcomed. Dr. Hollenberg was a member of the Faculty in the Department of Anatomy from 1965 to 1971 when he accepted an appointment at the University of British Columbia. Since 1975, he has been Head of the Division of Morphological Sciences at the University of Calgary. Following the resignation of Dr. M.J. Flaherty as Dean of Nursing in June 1977, Professor Dorothy Hibbert served as Acting Dean until June 1st, 1978, when Dr. Beverlee Cox was appointed Dean of Nursing, coming to the Faculty from the University of British Columbia. Dr. J.L. Stouffer was reappointed Director of the Program in Communicative Disorders for a three-year term effective July 1st, 1977. Professor M.F. Trider resigned as Director of the Program in Occupational Therapy effective May 7th, 1978. Mr. S. Trujillo was appointed Acting Director of the Program.

The Health Science Faculties were involved in several activities and events in recognition of the Centenary of The University of Western Ontario. In November 1977, Professor Murray L. Barr's book *A Century of Medicine at Western* was published. On March 9th, 1978, the Faculty of Medicine sponsored a special symposium on Medical Genetics. The Health Science Faculties and Programs held an Open House on March 11th and 12th, 1978. On May 8th and 9th, 1978, the annual meeting of the Council of Deans of Medicine of Canadian Universities was held at Western. On Saturday, May 27th, 1978, a Special Convocation in recognition of the Faculty of Medicine's Centenary was held. Honorary LL.D.'s were conferred on Dr. R.B. Holmes, Dean of Medicine at the University of Toronto, and Dr. A.D. McLachlin, Professor of Surgery; and an Honorary D.Sc. on Dr. C.F. Robinow of the Department of Microbiology and Immunology. The Faculty of Nursing hosted the Canadian University Schools of Nursing Conference in June 1978. The Faculty of Dentistry hosted the Tenth Biennial Conference on Dental Education and Research from June 18th to 21st, 1978. The Basic Health Science Departments of the University hosted the Canadian Federation of Biological Societies Annual Meeting from June 19th to 23rd, 1978.

During the year, coordination of certain activities in the Health Sciences continued to be a function of the various Health Sciences Committees. The Health Sciences Education Committee and the Health Sciences Instructional Resources Committee were combined into a single Health Sciences Committee on Education and Instructional Resources. In January 1978, the Office of Service and Research in Medical Education assumed a broader role for the Health Sciences and became the Office of Health Sciences Educational Development with Dr. B.P.



with the Faculty of Engineering Science. The Centre has been established by a Ministry of Labour three-year grant in the amount of \$100,000 yearly.

### DENTISTRY

In June 1978, the Council of the Faculty of Dentistry approved the merger of the Department of Oral Medicine and the Department of Oral Surgery. The new Department of Oral Medicine will have four Divisions - Oral Medicine, Oral Radiology, Oral Surgery, and Periodontics. The Faculty of Dentistry combined efforts with the Universities at Guelph, Toronto, and Waterloo to develop a comprehensive brief on the subject of the clinical costs of instruction in dentistry, optometry, and veterinary medicine. This submission is presently in the hands of the Ministry of Colleges and Universities and it is hoped that the service aspect of health sciences education will be recognized and supported by the government of Ontario. During the year, planning continued for the establishment of a *diagonal* structure for the undergraduate curriculum which will permit the introduction of clinical courses in the first two years of the program and additional time for the teaching of basic sciences in the senior years.

During the year, the graduate program in Orthodontics was appraised by the Ontario Council of Graduate Studies and continued approval of the program was recommended. During the year, the graduate program in Oral Pathology was also surveyed by a team appointed by the Council on Education of the Canadian Dental Association. Approval of the program for a five-year period was conferred. After considerable effort in planning for a graduate program in Periodontics and as a result of external appraisals and manpower considerations, it has been decided that the establishment of a graduate program in Periodontics will not be pursued at the present time.

### MEDICINE

In preparation for the next accreditation visit of the medical school in March 1979, the Executive Committee of the Council of the Faculty of Medicine decided in May 1978 to participate in the Institutional Self-Study Analysis which is recommended by the Liaison Committee on Medical Education. A Task Force and Steering Committee were appointed to review the data base material to be prepared for the accreditation visit and conduct an evaluation of all aspects of the Faculty of Medicine.

In November 1977, the Senate and Board of Governors approved the change in name of the Department of Bacteriology and Immunology to that of Microbiology and Immunology.

In September 1977, the Department of Family Medicine accepted two full-time and four part-time students into its new Master's Degree Program in Family Medicine. Construction started in the spring of 1978 on the new Byron Health Centre which is affiliated with Victoria Hospital and was made possible by a Kellogg Foundation grant. It is expected that the Centre will open in September 1978 and will provide an additional facility for undergraduate and postgraduate training in Family Medicine.



## REPORT OF THE REGISTRAR

D. A. CHAMBERS

General Comments

The 1977-78 year was characterized by progress in two main areas:

- (1) The rationalization of basic office structure, and in the resultant reorganization of several units and redefinition of their roles.
- (2) The streamlining of processing activities, yielding significant short and long term cost savings.

There were two prime objectives:

- (1) To reduce the costs of our traditional processing tasks which consume a major portion of the budget, while sustaining high levels of output. This objective addressed the increasing budget pressures.
- (2) To reorganize the office, and to facilitate the reallocation of resources, so that the quality of service rendered to our clients, as perceived by them, would be improved. This tackled the fundamental issue of enhanced public relations and image and, hence, enhanced marketing impact.

The following developments occurred, which addressed, or permitted us to address, these objectives during the past year.

1. The Introduction of Computerized Transcripts

In February, 1978 we went into the production of computerized transcripts, on schedule, and with few problems. This development has been greeted with enthusiasm by our own staff and by staff at other universities dealing with our transcripts. The system:

- (a) will yield significant savings in our salary budget.
- (b) has improved the turnaround time required to process transcript requests. (Even during our busiest period in June transcripts were issued within 72 hours of final marks being available).
- (c) has enhanced the quality of the remaining jobs in the transcript area by eliminating considerable routine, repetitive activity.
- (d) has improved the appearance and legibility of the transcript.



of our admissions area to the needs of applicants, improve the quality of service, and foster more innovative admission practices.

#### 5. Reorganization of the Information Area

The need was recognized to establish and support a centralized, well defined information services function. Reallocation of resources to the area and redefinition of all positions currently in it has improved the quality of service, and greatly enhanced our sensitivity and responsiveness to student needs. It has also facilitated better evaluation of the adequacy and appropriateness of office-wide practices as they affect applicants and students.

#### 6. Word Processing

A centralized word processing operation was created in the summer of 1977, comprising 4 staff and a supervisor. The centralization of preparation of all correspondence and other word processing applications has greatly improved quality and efficiency. The introduction of more sophisticated equipment in the summer of 1978 has further enhanced the unit's value. Almost all correspondence can now be personalized. Form letters are being abandoned and output volumes are rising remarkably.

#### 7. Teleprocessing

The decision was taken to transfer from the Registrar's budget to the user unit budgets the funds that provided teleprocessing to those units. These funds were transferred effective May 1, 1978 and arrangements were made by the Department of Finance and the Department of Information Analysis and Systems whereby the expenditure of such funds is under the centralized control of the Department of Information Analysis and Systems.

The move has, therefore, provided the unit areas with accurate information as to the costs associated with the teleprocessing services that they are using and permits them to exercise their own judgement as to whether or not they wish to enhance or to reduce such services.

#### 8. Provincial Affairs

G. Harris (Deputy Registrar) is Chairman of the Committee on Admission Practices, a standing subcommittee of the Ontario Universities' Council on Admissions and is also Chairman of the Systems Group, a standing subcommittee of the Ontario University Registrars' Association. In addition he is a member of the executive of both parent bodies.



### Auxiliary Liaison Program

As was the case last year, it is our feeling that this aspect of our Secondary School visits, along with the U.I.P., is the most important program we are involved in.

The program ran from February 27th to May 26th and along with Faculty (82 Faculty members from 35 different Departments) we were able to meet with 1,174 students (and 401 parents and friends of these students) who had indicated Western as a first, second or third choice on their OUAC application. Once again, it also involved a two day visit to Montreal.

### Heads of Guidance Luncheons

Although some degree of criticism perhaps has been levelled at Western, through the media, for contravening the C.O.U. guidelines, I cannot agree. We met with Heads of Guidance in eight different areas across the Province (three of these being in the Toronto area) and it afforded us, as well as members of Faculty and members of the Career Counselling and Development Centre to very informally discuss matters of mutual concern. Our intention is to continue (budget permitting) these arrangements with different areas of the Province this coming year.

### Tour Guide Service

For 24 weeks (week of October 3rd to the week of April 3rd) our Tour Guide service conducted tours for 2,601 visitors to Western. This involved 268 tours of, in the average, ten to twelve people. To illustrate the different nature of the tours they ranged all the way from 54 pupils of a Grade 4 class to a tour given to the Swedish Midget Hockey Team.

As well as the Tour Service, our Tour Guides participated in Convocation, Homecoming and Western Fair.

In my opinion, our twelve Tour Guides for this year were the best we have hired and this can be directly attributed to the nine hour training session organized and run by Carol Westcott for the prospective Tour Guides. This feature we fully intend to continue.

### Reach for the Top

This year, once again, our office participated in the Reach for the Top Quiz program to the extent of meeting with all team participants on Sunday's of the program taping and presenting a brief talk about Western and its programs.



Report of the Dean  
Faculty of Graduate Studies  
Professor H. B. Stewart

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The staff in the Faculty of Graduate Studies has not changed during 1977-78 and Drs R. G. Kidd and J. A. B. Somerset have maintained a high level of service to the Faculty in their posts as Assistant Dean, Physical and Biosciences, and Assistant Dean, Arts and Social Sciences, respectively.

REGISTRATION

The total registration increased slightly in 1977-78 but the increase in the full-time category was only two (Table I). The part-time component of the student body increased by 98 over that of last year. This rather large rise is probably a consequence of the institution of continuous registration regulations in September 1978 and should not be identified as the initiation of a trend towards increasing part-time enrolment. The data in Table II which display the registration by department show moderate declines in one or two previously large departments. Investigation suggests that this is probably a temporary state from which we can confidently expect to recover.

DEGREES CONFERRED

The total of 775 graduate degrees conferred in 1977-78 compares favourably with 782 of 1976-77 which was an all-time record (Table III). This figure, however, can be expected to fall in the future because there is evidence of a gradual fall in new entries into the Faculty of Graduate Studies. (Data are to be found in the Report of The University to the Ontario Council on University Affairs, 1978.) Comparative data by year and department of degrees conferred are shown in Table IV.

FEES

As noted in last year's report, both visa and native students were subjected to an increase in fees. It is possible that some of the increase in part-time enrolment may stem from this cause, although there is little data to support this view. The bursary system developed for visa students was reasonably taken up and approximately \$50,000 was expended in bursaries for A and B+ visa students. We would propose to continue this activity for a second year and attempt to evaluate the program at that time.



### GRADUATE STUDENT INCOME

The data contained in Table V show the average per term income of two-term and three-term graduate students for the last three years on which detailed information is available. There is evidence of a small differential between master's and doctoral students and a clear differential between two-term and three-term students. The data refer to students receiving income and do not include students who receive no income or income from sources unknown to the Faculty of Graduate Studies and the University Business Offices. Table VI shows the calculated average annual income of the groups displayed in Table V. When it is remembered that these averages contain a number of handsome awards of substantially more than six thousand dollars, it must be evident that many students subsist in a considerable degree of poverty.

### DISCIPLINE ASSESSMENT

As noted in last year's report a new type of discipline assessment has been devised and has been accepted by the Council of Ontario Universities (COU) and the Ontario Council on University Affairs (OCUA). It remains uncertain whether Social Work will be the first assessment under these new conditions and OCUA has made it clear that while a test assessment with a small discipline may be desirable their prime concern remains with the large disciplines. The current state of discipline assessment, which is subject to revision, is set out in Tables VII (a) and VII (b).

### NEW PROGRAMS

With the introduction of five-year planning, the need for the University to be clear about its objectives is increasingly emphasized. Furthermore, cataloguing of elaborate aspirations is clearly not receiving favourable treatment by OCUA.

At this stage one may note that the Physical Education doctoral program on the human functional response to exercise has been approved by OCGS and COU. The Master's Programs in Anthropology and History of Medicine and Science are before the Provincial Appraisals Committee and await decision. The Program in Periodontics has been withdrawn as a consequence of a provincial manpower study. The Faculty has withdrawn the doctoral program in the Social Science of Sport. The doctoral program in Music Education has now been recommended by the Internal Appraisals Committee and will shortly be sent to the provincial committee.



to a position where it is more completely constrained and restricted than in any other jurisdiction in North America. Graduate study should be an area where individual endeavour and originality expresses itself. As the gradually increasing constraints encircle the system where free expression will hopefully take place, the possibility of that event actually occurring must surely decrease. The universities of the Province already find themselves shackled and restricted in almost every direction. This "bound and gagged" status does not equip the institution to respond vigorously to "new challenges".

Category	1961-62	1962-63	1963-64	1964-65	1965-66	1966-67	1967-68	1968-69	1969-70
Arts	10	12	15	18	22	28	35	45	60
Business Administration	5	8	12	18	25	35	50	70	100
Education	3	5	8	12	18	25	35	50	70
Engineering	2	3	5	8	12	18	25	35	50
Health Sciences	1	2	3	5	8	12	18	25	35
Physical Sciences	1	2	3	5	8	12	18	25	35
Social Sciences	1	2	3	5	8	12	18	25	35
THEATRE	1	2	3	5	8	12	18	25	35
TOTAL	23	35	54	80	118	178	260	380	530
Arts	10	12	15	18	22	28	35	45	60
Business Administration	5	8	12	18	25	35	50	70	100
Education	3	5	8	12	18	25	35	50	70
Engineering	2	3	5	8	12	18	25	35	50
Health Sciences	1	2	3	5	8	12	18	25	35
Physical Sciences	1	2	3	5	8	12	18	25	35
Social Sciences	1	2	3	5	8	12	18	25	35
TOTAL	23	35	54	80	118	178	260	380	530



TABLE II

FACULTY OF GRADUATE STUDIES  
1977 FALL TERM REGISTRATION FIGURES  
 (November 1, 1977)

	<u>MASTERS LEVEL</u>		<u>DOCTORAL LEVEL</u>		<u>TOTAL</u>	(1976)
	<u>FT</u>	<u>PT</u>	<u>FT</u>	<u>PT</u>		
<u>ARTS DIVISION</u>						
Canadian Lit.	0	0	--	--	0	( 3)
Classics	1	2	--	--	3	( 1)
English	29	14	36	16	95	( 77)
French	9	1	6	12	28	( 31)
German	6	2	--	--	8	( 7)
Music	41	20	--	--	61	( 47)
Philosophy	7	1	30	12	50	( 53)
Spanish	8	0	--	--	8	( 7)
SUBTOTAL	101	40	72	40	253	( 226)
<u>BIOSCIENCES DIVISION</u>						
Anatomy	9	3	3	1	16	( 16)
Microbiol. & Immun.	21	0	6	0	27	( 27)
Biochemistry	16	4	25	3	48	( 44)
Biophysics	5	2	5	3	15	( 18)
Communicative Dis.	29	4	--	--	33	( 26)
Epidemiology	5	2	7	10	24	( 19)
Orthodontics	6	0	--	--	6	( 6)
Pathology	4	0	3	0	7	( 5)
Pharmacology	9	1	8	2	20	( 21)
Physical Education	37	23	--	--	60	( 48)
Physiology	9	3	6	1	19	( 22)
Plant Sciences	17	0	8	1	26	( 20)
Psychology	22	4	45	34	105	( 129)
Zoology	18	10	10	4	42	( 39)
M.Cl.Sc.	2	2	--	--	4	( 1)
SUBTOTAL	209	58	126	59	452	( 441)
<u>PHYSICAL SCIENCES DIVISION</u>						
Applied Mathematics	6	0	11	1	18	( 17)
Astronomy	5	0	5	0	10	( 13)
Chemistry	13	1	29	5	48	( 54)
Computer Science	9	19	--	--	28	( 25)
Engineering Science	61	41	34	6	142	( 122)
Geology	27	5	22	7	61	( 60)
Geophysics	2	0	5	0	7	( 13)
Mathematics	4	1	14	2	21	( 21)
Physics	4	4	5	3	16	( 15)
SUBTOTAL	131	71	125	24	351	( 340)



TABLE III

DEGREES CONFERRED

Classified by Division to Show 5-Year Trend

	<u>1973-74</u>	<u>1974-75</u>	<u>1975-76</u>	<u>1976-77</u>	<u>1977-78</u>
<u>ARTS DIVISION</u>					
Ph.D.	10	8	8	7	10
M.A.	43	41	27	44	43
M.M.	4	1	6	4	12
SUBTOTAL	57	50	41	55	65
<u>BIOSCIENCES DIVISION</u>					
Ph.D.	29	36	29	10	29
M.Sc.	17	18	25	28	33
M.Cl.Sc.	2	0	3	13	12
M.A.	29	36	44	22	22
M.Cl.D.	-	--	4	3	4
SUBTOTAL	77	90	105	76	100
<u>PHYSICAL SCIENCES DIVISION</u>					
Ph.D.	27	40	29	27	25
M.Sc.	29	25	27	31	27
M.E.Sc.	7	17	17	16	9
M.Eng.	15	18	27	21	9
M.A.	7	8	6	1	6
SUBTOTAL	85	108	106	96	76
<u>SOCIAL SCIENCES DIVISION</u>					
Ph.D.	16	18	11	37	16
M.A.	65	77	103	147	90
M.B.A.	205	220	220	208	206
M.L.S.	145	130	118	99	121
M.Sc.N.	13	11	10	0	8
M.Sc.	--	4	2	0	5
M.A.T.	--	1	1	1	7
M.Ed.	--	--	26	63	81
SUBTOTAL	444	461	491	555	534
GRAND TOTALS	663	709	743	782	775



TABLE IV (continued)

	Ph.D.		M.Sc.		M.A.		M.Eng.		M.E.Sc.	
	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78
Applied Mathematics	2	1	0	2	0	0	0	0	0	0
Astronomy	0	1	5	0	0	0	0	0	0	0
Chemistry	6	7	1	5	0	0	0	0	0	0
Computer Science	0	0	11	6	0	0	0	0	0	0
Engineering Science	2	7	0	0	0	0	21	4	16	14
Geology	9	7	6	13	0	0	0	0	0	0
Geophysics	2	0	6	2	0	0	0	0	0	0
Mathematics	0	0	0	0	1	6	0	0	0	0
Physics	3	1	2	1	0	0	0	0	0	0
Total	24	24	31	29	1	6	21	4	16	14

	Ph.D.		M.Sc.		M.A.		M.B.A.		M.L.S.	
	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78	76-77	77-78
Business	3	4	0	0	0	0	208	206	0	0
Economics	4	6	0	0	20	18	0	0	0	0
Geography	6	6	0	5	4	10	0	0	0	0
History	2	0	0	0	19	21	0	0	0	0
Library Science	0	0	0	0	0	0	0	0	99	121
Political Science	1	1	0	0	7	3	0	0	0	0
Sociology	0	0	0	0	16	6	0	0	0	0
Journalism	0	0	0	0	58	31	0	0	0	0
Total	16	17	0	5	124	89	208	206	99	121

## SOCIAL SCIENCES DIVISION

	M.A.T.		M.Ed. (Ed.Stud.)		M.Ed. (Guid.)	
	76-77	77-78	76-77	77-78	76-77	77-78
Education	1	7	41	69	22	12
Total	1	7	41	69	22	12

## M.Sc.N.

76-77	0
77-78	8

Nursing

0 8



TABLE VII (a)

Status of Discipline Assessment  
Complete

28

	<u>ACAP</u> <u>Assessment</u>	<u>ACAP</u> <u>Recommendation</u>	<u>COU</u> <u>Approval</u>
Administration, Business and Management Science	Completed	Completed	Yes
Biosciences	Under consideration		
Chemistry (doctoral level)	Completed	Completed	Yes
Computer Science	Completed	Completed	Yes
Economics	Completed	Completed	Yes
Education	Completed	Completed	Yes
Engineering (doctoral level)	Completed	Completed	Yes
English (doctoral level)	No announced plan		
French (doctoral level)	No announced plan		
Geography	Completed	Completed	Yes
Geology & Earth Sciences	Completed	Completed	Yes
History	Completed	Completed	Yes
Law	Assessment dropped		
Library Science	Completed	Completed	Yes
Mathematics	Completed	Completed	Yes
Physical Education	Completed	Completed	Yes
Physics (doctoral level)	Completed	Completed	Yes
Planning & Environmental Studies	Completed	Completed	Yes
Political Science	Completed	Completed	Yes
Psychology	Initiated in 1976-77		
Religious Studies	Completed	Completed	Yes
Social Work	Proposed for 1977-78		
Sociology	Completed	Completed	Yes



REPORT OF THE DEAN

DR. J. G. ROWE

Another difficult year for the Faculty of Arts has passed. Budget cuts took even more faculty positions than was anticipated. However, in this period of retrenchment there were certain encouraging developments. Course registrations increased in French, German, Spanish and Italian, Russian, Visual Arts and Classical Studies. The increase in French was particularly gratifying. The increase in Visual Arts was to be expected. The increase in Classical Studies was a tribute to all that Professor Douglas Gerber and his colleagues have done to maintain the traditional disciplines of Greek and Latin set within contemporary approaches to ancient civilization and culture. There were also significant decreases in registration in English and Philosophy. No one can say if these were only temporary perturbations or the beginning of a significant trend.

For all the advance and decline, the intellectual life of the Faculty remains lively and productive. The Drama Workshop continues to enrich the life of the Faculty and the University. The XVIIIth century Bio-Biographical Centre in the Department of French incorporates the best scholarly efforts of many scholars. The Language Laboratories are justifying their existence with an ever increasing record of service to students and teachers alike. To the Laboratories is attached a modest experiment in computer-assisted language instruction which has brought to light many skills in our Faculty, heretofore untapped. This is to mention only a few of the activities undertaken within the Faculty in the past year. Certainly one of the most promising is the new direction in the Department of Philosophy towards the development of academic strength in the field of Biomedical Ethics. I should also mention the new Diploma program introduced into the Department of French.

The future will not be easier than the past; it will be more, not less, difficult. Our problem will be to maintain our present high level of performance in teaching, research and intellectual development when enrollments are declining, public support is decreasing and faculty positions are being sacrificed to budgetary exigencies.

I thank my colleagues for their kind cooperation during the past year. I think here especially of the staff in the Dean's Office. This year Dr. Ernest Redekop completed his exemplary service as Assistant Dean of Arts. He will be missed by many within the Faculty and without. Finally, Dr. Raymond Immerwahr of the Department of German became Professor Emeritus this year. His devoted teaching, high level of scholarship and endearing personality have meant much to us over the years. It is reassuring to know that he intends to remain as one of our number.



The Drama Workshop continued its activities both in workshop sessions for undergraduate students in the drama courses, and in productions. The Department sponsored productions of The Bard, For the Time Being, You're a Good Man, Charlie Brown, Tecumseh, Our Town, The Valiant Tailor, as well as a Tudor Evening of entertainment with medieval food. A major production, The Drunkard, was presented at Talbot Theatre during the second term and again during the spring as a centennial project. James Reaney conducted a series of workshops on The Canadian Brothers.

During the academic year the Department again had a Writer-in-Residence, Al Purdy. Mr. Purdy worked extensively with students and generously involved himself in many community activities.

English 138 once again served as a focus for the development of student and faculty interest in Canadian Literature and Culture. The following individuals from outside the Department were invited to participate in the course: Douglas Barbour (Poet, Edmonton), Alice Boissonneau (Novelist, Cannington, Ont.), Edith M. F. Fowke (Professor, York University), Bill Glassco (Artistic Director, Toronto), W. S. Hart (Dept. of Visual Arts, U.W.O.), Robin Mathews (Professor, Carleton University), and David Ring (English and Drama student, U.W.O.).

Last, but not least, the Department and many of its members received funds from various agencies to support and further various scholarly interests. S. Dragland and L. Garber received funds from the Ontario Arts Council and The Canada Council, and J. Devereux, N. Mellamphy, G. Rans, and R. Woodman received Canada Council Research Grants.

1977-78 was a busy and successful year for the Department of English.

#### Department of French

In the 1977-78 academic year the number of undergraduate course registrations increased by 11.6%, with a particularly heavy enrolment in the beginning and intermediate level courses. Graduate enrolment remained steady during this period.

A number of new courses were introduced into the department's programs adding to our offerings in the areas of practical translation, linguistics, French Canadian literature and the theatre. In addition, the department moved towards the introduction of a diploma program in French, the purpose of which is to provide practical training to the general and university community on a rigorous and continuing basis. The project has attracted some modest supplementary government funding. Finally, in the area of course innovations, members of the department, particularly Professors G. Holmes, D. F. Jones, M. Kidd and S. Sotiroff, have been involved in expanding the experiments in the use of computer-assisted teaching aids administered by the Faculty.

Numerous faculty members and graduate students, under the direction of Dr. D. Lenardon, have been collaborating in the continuing work of the Eighteenth Century Bio-bibliographical Centre. In a different vein, Professors Goldschlager and Issacharoff have been cooperating with an interdisciplinary venture, the newly-founded Seminar in Semiotics.

Two doctoral degrees were successfully completed during the course of the year.



Program in Theater and Drama and that students will be accepted for the Inter-Faculty Linguistics and German Program. Some first steps were taken toward designing computer-assisted exercises for students of German Language by Professor Kimpel.

Four students from Western spent their third year at the University of Dusseldorf and two students from Dusseldorf studied at Western.

The Departmental Colloquium was again active and papers were delivered by Professors Hess, Immerwahr, Kimpel and Schlütter. Professor Immerwahr was an invited participant in a symposium on Romantic irony sponsored by the Comparative Literature Association and held in Edmonton in April. Professor Schlütter delivered papers at Hofstra University and at the University of Waterloo in October. He was also a commentator at the meetings of the C.S.E.C.S. in Hamilton in October.

The major event in the intellectual life of the Department was the International Heine Symposium held in May, immediately before the meetings of the Learned Societies. Organized by Professors Anderson, Immerwahr, Hess and Spencer, and sponsored by the University of Western Ontario, the Canada Council and the Goethe House, Toronto, the Conference brought together Heine scholars from West Germany, the United States and various parts of Canada. Professor Spencer whose book on Heine appeared in the fall was one of the speakers.

Professor Tracy, on leave in the second term of 1977-78 is in Berlin and, with the aid of a Canada Council Grant is studying the theatre of the German Democratic Republic. Professor Purekevich will be on leave for one year from July, 1978 and her research on modern German poet-physicians will take her to libraries and archives in the Federal Republic of Germany. Professor Hess, who has been awarded a grant by the Canada Council will be travelling extensively during the next year in connection with his research on the German-Canadian writer Walter Bauer.

Professor Raymond Immerwahr, a member of the Department since 1970, and Chairman 1970-75 is retiring on July 1. He continues to be active as a scholar and will be presenting a paper at a conference in Europe in the next few months as well as carrying on his research at German libraries and archives. He takes with him in this new phase of his life the best wishes of all his colleagues and their thanks for his unstinting service to the department and his leadership during his years as chairman.

#### Department of Philosophy

Overall undergraduate enrolments declined during 1977-78 after a six year period of growth during which our undergraduate registration more than doubled in size. The drop was anticipated and measures begun to restructure both our freshman and honors programs. Pre-registration figures for the coming year are quite promising. In addition, the general program is now in process of review, three new courses having already been introduced; these are: Images of Man, Biomedical Ethics, and The Epistemology & Metaphysics of Witchcraft.

Fourteen students were graduated from Honors programs, including four gold medal winners: Ms. Dianne George (Philosophy), Mr. Guy Pratte (Philosophy and History), Mr. Joseph Scheuhammer (Philosophy and Psychology), and Mr. John William (Philosophy and English). In addition, eight students were recommended for scholarships.



somewhat wider audience. Professor Demopoulos' seminar dealt with the axiomatic approach to physical theories (in particular, quantum theory) and concentrated on the work of Professor Maciej Maczynski of the Technical University of Warsaw. Professor Maczynski visited the Department in March and lectured in the seminar over a nine day period and also addressed the Department of Mathematics.

The second seminar, on non-standard philosophies of science, was offered by Professor Nicholas and dealt in part with the work of Professor Adolf Grünbaum of the University of Pittsburg. Professor Grünbaum visited the campus in late April and delivered five lectures on the scientific status of psychoanalytic theory, as measured both by the inductivist and Popperian models of science.

Two issues of Hume Studies were brought out during the year: vol. III, No. 2, and vol. IV, No. 1. Seven new volumes in the Western Ontario Series in Philosophy of Science were published, bringing the total to fourteen. Four of these volumes contain papers from the Fifth International Congress of Logic, Methodology and Philosophy of Science, which was held at the University in 1975.

There were two Visiting Lecturers in the Department for the year. Dr. Myron Gochner, on leave from his studies in Law at the University of Toronto, and a graduate of the Ph.D. program in the Department, replaced Professor Bronaugh, and lectured in Philosophy of Law. Mr. Ali Akhtar, who has just submitted his doctoral dissertation to MIT, replaced Professor Henry, and lectured on logic.

Six members of the Department were invited to lecture at International Congresses and/or well known Centres. Professor Bub gave a series of lectures at the Enrico Fermi International School of Physics, Varenna, Italy (July-August, 1977).

Professor Demopoulos gave a series of lectures at the Minnesota Center for Philosophy of Science (April-May, 1978). Professor Harper addressed a conference on scientific change organized by the Philosophical Society of Finland in Helsinki, and also lectured at the University of Turku (December, 1977). Professor Hooker lectured widely throughout the year, in both Australia and Canada, on energy policy and its social impact. Professors Johnson and Marras gave papers at the International Congress for Medieval Philosophy in Bonn (August, 1977). In all, fourteen members of the Department were involved in annual meetings of professional societies and/or lectured outside the University. In addition, Professor Shorten organized a work shop on Aristotle's Nicomachean Ethics, as part of the Canadian Philosophical Association 22nd Annual Congress.

Development of Departmental expertise in Ethics and Public Policy continued to accelerate during the year. Undergraduate instruction in biomedical ethics was reorganized under a grant from the Ontario Universities Program for Instructional Development, and Professor Hoffmaster and the Chairman visited a number of institutions in the United States and Canada for the purpose of studying other graduate programs and research centres in this area. Professor Hoffmaster also attended a Hastings Center Workshop on Medical Ethics (Summer, 1977) and is currently completing a post-doctoral degree in Public Affairs at the University of Minnesota. He will also attend a second Hastings Center Workshop on Clinical Settings, at the Dartmouth Medical School, in the coming summer. In addition, Professor Bronaugh will attend a Hastings Center Workshop this summer on Bioethics and Public Policy. Professor Hooker is now in process of restructuring the undergraduate course in Critiques of Contemporary Culture, which will in future focus on social policy analysis, including science policy & technology assessment.



ment and sustained student interest. This course received the highest enrolment for a new course in the Department's history. The Department, and especially the Chairman, wish to take this opportunity to thank Professor Alan Smith for his dedicated teaching of and infectious enthusiasm for the course. Professor Smith's contributions to the Department will be sorely missed in the future.

Professor K. A. Pappmehl spent an interesting and productive study leave in the USSR for 3 months and in England for 6 months. In support of his research (Metropolitan Platon Levshin of Moscow, 1737-1812), Professor Pappmehl received the Canada-USSR Academic Exchange Award and the Commonwealth University Interchange Award. Professor Pappmehl conducted his research at the highly prestigious Institute of History of the Academy of Sciences in Moscow and at the School of Slavonic and East European Studies in England.

At the conclusion of his first year in office, the Chairman would like to extend his sincerest thanks to his colleagues and to Miss Maria Zurkan, the departmental secretary, for their generous assistance and cooperation which greatly facilitated an already hectic year.

#### Department of Spanish and Italian

The Department of Spanish and Italian had a total enrolment of 510 undergraduate registrations for the academic year 1977-78. Of these 395 were enrolled in Spanish classes and 115 in Italian. In comparison with the academic year 1976-77 there was a minimal drop in registrations from 528 to 510 at the January 1978 reporting date.

Graduate enrolment in the master's program in Spanish had eight full-time registrants, up one from the previous academic year. Four candidates will receive their Master of Arts degree at Spring, 1978 Convocation and four at the Fall, 1978 Convocation.

In order to meet the increasing teaching demands upon members of the Department in mounting two full honors programs in Italian Language and Literature and Spanish Language and Literature a rotation system was evolved by which mandatory courses are offered each year, while optional courses are made available in two or three-year cycles. Courses offered in English have had to be reduced to a minimum and are offered only if registrations justify them. All members of the Department are engaged in active counselling of students to ensure that the rotating system of course offerings meets the needs of our honors and area of concentration students. It must be said that any further reduction in course offerings will seriously jeopardize the future of honors programs in the Department.

I report with a sense of satisfaction that the recommendations made by the Department Appraisers in 1975-76 have now been fully implemented. The programs in both Italian and Spanish have been balanced between literature and language to reflect the practical interests of many of our best students. A new course in the Theory of Translation has been introduced and found overwhelming acceptance. The Department, under the direction of Professor W. Burghardt is currently developing computer-assisted learning programs in Italian which also have found gratifying acceptance by serious students of language.



Department. At present, moreover, two of those graduates have been accepted with scholarships in graduate programs of first order abroad and one has received a grant for research in the history of Canadian Art from the Canada Council. Sixty-two percent of students majoring in the previous programs opted for the two new professional programs. On the other hand, the open-ended base of the new curricula and programming has provided, for the first time, instruction in creative problem solving in a studio situation at the first year level to fifty-two students from other faculties and departments of the University. The Department has taken, and will continue to take, steps for more effective transition of curricula and admission of students from the secondary school system and for transfer of students from the Ontario College of Art and community colleges. Finally, the Department continues to emphasize the possibility of developing new undergraduate programs, such as art therapy, and a graduate program in art history and criticism.

Visiting Assistant Professor Bradford Collins replaced Professor Mark Cameron, who was on leave. Instructors Robin Peck and Stephen Parzybok replaced Professor William Tucker, who resigned. Mrs. Ann Gordon was appointed departmental photographer. Ms. Paula Paine replaced Ms. Lisa Landreth as Slide Library Assistant. Mr. Wyn Geleynse and Mr. Harry Mountain were appointed part-time technicians in the areas of photography and printmaking, and sculpture respectively.

The academic year marked a significant phase in the development of the Visual Arts Slide Library. Most noteworthy was the relocation and expansion of its facilities. Modern Neumade storage cabinets housing the collection of over 68,000 slides in a more spacious room have turned the Slide Library into an inviting study area for both faculty and students. This relatively more comfortable area encourages users to read current literature and meet with their colleagues in an informal setting. Furthermore, the enlargement of cataloguing, clerical, and office space has provided the Library staff with an efficient working atmosphere.

Additions to the catalogued collection in 1977 almost doubled those of 1976 and slide circulation between May 1, 1977, and May 1, 1978, increased by 12% over the previous year. New course requirements, the in-house photographic facilities, and the increasing popularity of the slide collection are the major factors contributing to this growth.

For a breakdown of holdings, circulation, and acquisition highlights, see the attached copy of the Slide Library Mid-Year Report, May 1, 1978.

Due to budgetary problems, the program of visiting lecturers and artists was limited. There were lectures by Ms. Suzi Gablik from London, England, on the subject of her recent book Progress in Art, and Ms. Colette Whiten from Toronto on her recent work in sculpture. The value of this program should be emphasized, for it not only provided the necessary instructional diversification that the limited staff of the Department can not provide, but it also provides a necessary stimulus for faculty as well as students. It serves, in addition, as a complement and liaison with the visitors programs of Fanshawe College and the London Regional Art Gallery. It should be seen, therefore, not only as a necessary departmental program, but one that reaches the entire academic community and the city of London.



SLIDE LIBRARY MID-YEAR REPORT

MAY 1, 1978

I. Holdings

1978

1977

Slides in Collection	68,165	61,645
Additions to Collection: 1977	6,933	3,738 (1976)
Additions: May 1, 1977 to May 1, 1978	6,913	5,517
Uncatalogued Slides	7,958	7,300

2. Circulation

Total Circulation: 1977	35,128	36,438 (1976)
Slide Loans: May 1, 1977 to May 1, 1978	11,220	9,862
Number of Outside Visitors: May 1, 1977 to May 1, 1978	299	257

Slide Loans (Visitors in brackets)

Althouse College	762 (24)	1,103 (37)
Brescia College	1,158 (27)	1,707 (36)
Dept. of English	769 (31)	518 (32)
Dept. of French	688 (18)	538 (10)
Dept. of History	799 (16)	671 (12)
Dept. of Philosophy	93 (10)	196 (12)
Dept. of Spanish & Italian	271 (9)	19 (2)
Faculty of Medicine	34 (2)	0
Fanshawe College	2,078 (41)	2,610 (40)
Huron College	9 (1)	37 (3)
Local Groups	196 (5)	0
Students (outside Visual Arts)	1,532 (71)	1,883 (59)
Part-Time and Continuing Education	1,984 (25)	- -

3. Aquisition Highlights (May 1, 1977  
to May 1, 1978)

a) Slides produced from Books (Total 4162)



Department of Visual Arts

BECKER, H.

"Book Arts," exhibition of set of handmade papers. North York Public Library, Willowdale, Ontario, from March 21 to May 16, 1977.

"Handmade paper prints" exhibited Blyth Summer Festival from July 2 to August 20, 1977.

"Paper" film shown on C.B.C. "Front Row Centre" program, February, 1978.

DEKERGOMMEAUX, D.

"Works on Paper," Harbourfront Gallery, Toronto, September, 1977.

"New Works," Trajectory Gallery, London, Ontario, October, 1977.

EWEN, P.

One-man show Carmen Lamanna Gallery, Toronto, 1977.

One-man show exhibition organized by the National Gallery of Canada travelling to centres in Alberta, Manitoba, Ontario and Quebec, 1977.

One-man show Art Gallery of Vancouver, October, 1977.

"Contemporary Canadian Painters," International exhibition travelling centres in France, New Zealand and Australia. 1977.

"Neun Kanadische Künstler," Kunsthalle, Basel, Switzerland, June, 1978.

FENWICK, R.

"London Artists," exhibition at the McIntosh Gallery, U.W.O., Summer, 1977.

"Image of Man", exhibition at the McIntosh Gallery, U.W.O., February, 1978.

"Roly Fenwick in London," one-man exhibition at the London Regional Art Gallery, London, May, 1978.

PARZYBOK, S. M.

Exhibition of Sculpture, McIntosh Gallery, U.W.O., November/January, 1977-78.

"A Place for Sculpture," various exhibit locations, London, Ontario. Sponsored by the London Regional Art Gallery Extension Services, February/April, 1978.



The academic year 1977-78 has been one of the most exciting in the history of the Language Laboratories.

Since two laboratories (University College and Talbot College) had come to the end of their effective life-span, the Language Laboratories were given monies by the University and the Ministry of Colleges and Universities to modernize and expand its facilities for programmed instruction.

During the summer of 1977, two of our three laboratories were equipped with new Tandberg cassette machinery, including a rapid duplicating device enabling us to pre-record material onto student machines, thus allowing all laboratory time to be spent in individualized study. In addition, a Telex high-speed duplicator was purchased for use by our technical staff. The Talbot college laboratory was relocated in University College which now houses both new installations. The recording studio, equipped with a soundproof recording booth, was relocated in University College so as to be of easier access for users; an area adjoining the new office of Mrs. Kirsch was designated for use as a tape library; University College 187 was transformed into a small workshop area; the Technical Director, Mr. Jack Magin, was assigned an office close to the Laboratories and the laboratories telephone system was expanded and centralized through the office of Mrs. Kirsch.

The new complex in University College included Room 113, in which four computer terminals were installed to allow the Faculty of Arts to make a modest beginning in computer-assisted learning in modern languages.

Effective July 1, 1977, Professor Glyn Holmes was appointed Academic director of the Language Laboratories. There were no other changes in Language Laboratory personnel.

A Faculty of Arts Language Laboratory Committee, consisting of one elected member from each language department, was created, effective July 1. The duties of the Committee include the general academic direction and improvement of programmed learning facilities in the Faculty of Arts.

As the appended figures will show, there was a slight increase in regular class use of the laboratories.

In other areas, however, there was a large increase in the use of laboratory facilities. Some oral testing had been done in the old laboratories, though the process was time-consuming. The cassette machinery and the resultant ease of marking have now made laboratory tests a common practice. The increase in the numbers of students wishing to do private study has been most significant. Due to our new library of pre-recorded tapes, we can provide a student with a copy of any tape to be studied either in the laboratory, or, if he possesses his own cassette recorder and leaves us a modest deposit, at home.

Student use of the computer-assisted learning facility has been encouraging, as has the interest shown by some members of faculty. When the terminals were installed we had only a modest French vocabulary program available for student



LANGUAGE LABORATORY USAGE BY COURSE AND STUDENT NUMBERSI. Regular Class Use:

Last year's figures appear in parentheses

French 002	-	197	(134)	
French 010	-	191	(148)	
French 020	-	195	(185)	
French 021	-	238	(230)	
French 131	-	59	(49)	
French 141	-	10	(6)	
French 143	-	17	(19)	
French 271	-	139	(130)	
French 273	-	49	(39)	
French 381	-	95	(67)	(class optional)
Total				1190 (1008)
German 002	-	43	(51)	
German 022	-	64	(63)	
Total				107 (114)
Spanish 002	-	132	(135)	
Spanish 020	-	26	(50)	
Spanish 021	-	57	(54)	
Italian 002	-	68	(80)	
Italian 020	-	23	(-)	
Total				307 (319)
Russian 002	-	20	(28)	
Russian 020	-	9	(15)	
Russian 391	-	7	(-)	
Polish 002	-	9	(18)	
Total				45 (61)
Secretarial				
Studies 135	-	94	(75)	
140a	-	55	(60)	
			(11 students x 5 hours per week)	
Total				149 (135)
Grand Total				<u>1798 (1637)</u>

These figures do not include Summer School classes.



## Report of the Dean

SCHOOL OF BUSINESS ADMINISTRATION

Dean J. J. Wettlaufer

The 1977-78 academic year was another one of success and accomplishment for the School. It marked the first venture of the Western Business School into the international field on a major scale. Working through the Centre of International Business Studies under the direction of Professor Harold Crookell, the School was able to attract participants from Japan, Belize, Columbia, Ecuador, Mexico, Brazil, Denmark, Germany, France, England, United States, as well as an excellent cross-section of Canadians from both the private and the public sector. All reports indicate the International Management Course will play an increasingly important role in Western's future.

The Plan for Excellence

The Plan for Excellence investment in project and case research is paying outstanding dividends. Scholarly output of the faculty reached a record level with the publication of one textbook, three casebooks, one monograph, 38 journal articles, and 78 case studies. Professor L. Wrigley and D. Lecraw made significant contributions to the Report of the Royal Commission on Corporate Concentration. The Western Business School will play an ever increasing role in the development of managers in the private, government and educational sectors of our society.

ACADEMIC PROGRAMSThe Undergraduate Program

The Program remained in a steady state in terms of size, with approximately 150 students in the third year and 140 in the fourth year. Student interest in the Program as a degree choice remains high, with 444 students applying for entry to the Junior year for 1977-78.

<u>Enrolment</u>	<u>1972/73</u>	<u>1978/74</u>	<u>1974/75</u>	<u>1975/76</u>	<u>1976/77</u>	<u>1977/78</u>
Junior	147	142	147	145	146	153
Senior	114	138	143	141	143	139
Total	261	280	290	286	289	292



James B. Graham

Thesis Topic: Consumer Behaviour in Shortage Situations  
 Supervisor: T.C. Kinnear  
 Placement: University of Calgary  
 Research Funding: Richard Ivey Doctoral Research Fellowship

Norman W. McGuiness

Thesis Topic: The Relationship of the Characteristics of New  
 Canadian Industrial Problems to their Foreign  
 Sales Performance: A Diffusion Analysis  
 Supervisor: B. Little  
 Placement: Acadia University  
 Research Funding: International Development Research Centre Grant  
 Richard Ivey Doctoral Research Fellowship

Enrolment

Ten doctoral candidates were admitted into the first year of our Ph.D. Program in September, 1977. These candidates are involved in fulfilling their research and casewriting requirements this summer. A total of thirty-five candidates are now working towards the completion of their Ph.D. degree.

Placement

Six third year candidates have accepted university positions and will be completing their dissertations shortly.

Eisenhower Etienne	Ecole des Hautes Etudes Commerciales
Ozhand Ganjavi	University of Iran
Bernard Garnier	University of Laval
Kerry Hill	The University of Western Ontario
Gerald Ross	Institute for Social Research
Don Wright	Acadia University



The School strives to develop and promote publications which address managerial problems. Two of the four major publications by faculty members during the year were case collections, and a third addresses the issues associated with the writing of effective cases.

A new casebook, An Introduction to Business Decision Making: Text and Cases, was published by the School and tested in the Business 020 course during the 1976-77 year. In 1977-78 this book, authored and edited by Professors M. Pearce, D. Burgoyne, and J. Humphrey, was published by Methuen Publications, Toronto.

The School published a new casebook, Management Science and the Manager: Quantitative Methods and Decision Making, by Professor P. Newson. The casebook was used in the core Management Science courses in the undergraduate and MBA programs.

A second edition of Case Research: The Case Writing Process, by Professors M. Leenders and J. Erskine was published by the School. This marks the first time that a School publication has gone to a second edition. The first edition was published in 1973.

A report prepared for the Government of Canada, Government Assistance to Canadian Footwear and Tanning Industries, by Professor B. Portis and J. White, examined usage and effectiveness of government programs directed towards the shoe and tanning industries.

As in past years, the faculty continued to publish articles in the more academic journals. In 1977-78, these articles totalled 38. In addition, 26 working papers, which are early drafts of research results, were produced, widely distributed among academic and practitioner audiences.

#### Associates' Research Day

Associates' Research Days were held in Toronto on March 1st and Montreal on March 2nd. The day provides the opportunity for members of organizations contributing to the School's Plan for Excellence to hear and respond to presentations by faculty on current research projects. The nine presentations were well received.

#### Associates' Workshop

As part of Western's continuing effort to promote Canadian business research, ten Associates' Workshop Fellowships were awarded for the summer of 1977. These researchers, drawn from the faculty of seven different universities, investigated a wide variety of topics ranging from "The Usefulness of Certain Current Value Accounting Methods in the Investment Decision Process" to "The Present and Future of International Business in Canadian Corporations." During the summer of 1978, ten Canadian business school faculty members will pursue their research interests on campus.



Production/Operations Management Course (8th Annual)

The purpose of the course is to improve the performance of managers who normally spend the majority of their time in the production or operations management area, with the emphasis on developing skills in identifying and solving operational problems. There were five provinces from Canada represented, as well as a representative from Switzerland.

Management for Accounting and Financial Executives (3rd Annual)

The overriding course objective is to extend the administrative horizons and strengthen the managerial capabilities of financial and accounting executives. There were five provinces from Canada represented as well as representatives from the United States, Guyana, Switzerland and Trinidad.

Brazilian Management Course (3rd Annual)

The Western Business School, in cooperation with a consortium of Brazilian companies, offers a three-week program for Brazilian executives in Nova Friburgo, Brazil. Participants are from Brazilian national firms, multi-nationals operating in Brazil, and some government agencies. The faculty is largely from Western but includes an increasing number of Brazilian professors.

Senior University Administrators' Course (2nd Annual)

The Kellogg Foundation of Battle Creek, Michigan, awarded a grant of \$183,000 to the Association of Universities and Colleges of Canada (AUCC) to support the first Canadian management development program designed specifically for senior university administrators. The grant is for a five-year period and is complemented by a \$38,000 grant to the Richard and Jean Ivey Fund of London for research purposes over a two-year period.

This two-week course is offered in cooperation with AUCC and the Canadian Association of University Business Officers (CAUBO).

Forty-nine institutions have been represented over the two years, coming from all of the provinces.

London Conference (22nd Annual)

London Conference was held on May 10-12, 1978 at the Business School. The London Conference Chairman was Mr. Donald C. Morrison (Director, Burns Fry Limited), and the Vice Chairman was Mr. Carl F. Steiss (Partner, Price Waterhouse and Company).



Instructors

Gray, J.M.  
 Head, S.  
 Jarvis, T.P.  
 Lancaster, E.  
 Mahoney, C.A.  
 Nesbitt, R.W.  
 Newhouse, D.H.

Promotions:

Lord, R. J. A.	- Assistant Professor to Associate Professor
More, R. A.	- Assistant Professor to Associate Professor
Pearce, M. R.	- Assistant Professor to Associate Professor
Piper, C. J.	- Assistant Professor to Associate Professor

Leave of Absence:

Professor T. R. Archibald, September 1, 1978 to August 31, 1979  
 Price Waterhouse & Co.

Sabbatical:

Professor J. J. Wettlaufer, July 1, 1978 to June 30, 1979  
 Europe

Returning from Leave of Absence:

Britney, R. R.	- Returning June 1, 1978
Shaw, D. C.	- Returning January 1, 1978

Terminations:Assistant Professor

Boersema, J. M.  
 Knobloch, P. C.  
 Malanchuk, R.  
 Mason, J. R.

Visiting Associate Professor

Storey, R. G.



The students work with Indian people in the area of economic development, the operation of on-going native enterprises, and assisting potential new businesses get into operation. The students work in a variety of roles, but the emphasis is on helping Indians who are involved in entrepreneurial activities and in training these Indians in various aspects of managing a small business.

In 1977 there were students located in Alberta, British Columbia, the Yukon, Saskatchewan, Manitoba, Ontario, Quebec, Nova Scotia, and New Brunswick. The Program operated from May until August and assisted a large number of native clients.

The Department of Indian Affairs and Northern Development has once again agreed to fund this unique Program for the summer of 1978. This past year a major evaluation was done of all advisory services of the Department and one of the conclusions was that this was a valuable and worthwhile Program to continue with. In the 1978 Program the Quebec needs of the Program will be supplied by Laval University (with the students under the supervision of Professor Bob McGoldrick of Laval) and the Maritime needs of the Program will be serviced by Dalhousie University (with the students under the supervision of Professor Ron Storey of Dalhousie).

#### WESTERN ARCTIC PROGRAM

The 1977 Western Arctic Program was its fourth year of operation. This Program is specifically designed to provide business management assistance to Indians, Eskimos, and Metis people located in the North West Territories. This Program to date has been jointly funded by Canadian Arctic Gas Study Ltd., Gulf Oil Canada Ltd., Imperial Oil Ltd., and Shell Canada Ltd. Last summer there were three student consultants sent to the communities of Tuktoyaktuk, Fort McPherson, and Fort Simpson. Two of the students involved were M.B.A. students and one was from our Undergraduate Program. The students worked under the direction and general supervision of Professor J. J. DiStefano. They worked with native people who were interested in getting into business and they also acted as a resource to the communities in which they lived to anybody interested in improving their management capabilities.

The withdrawal of the MacKenzie Valley Pipeline project has created some uncertainties for this Program as well as the winding up of Canadian Arctic Gas Study Ltd.

There was definite interest in renewing this Program for 1978, and we recruited even more vigorously than in the past. However, we were unable to attract students of the calibre needed for such a sensitive type of assignment. As a result, this Program will not operate in the summer of 1978. However, the School is seriously and definitely interested in mounting a Program in 1979 if the necessary staffing program can be carried out.



The Business Quarterly has reached its long-pursued goal of 10,000 ABC audited subscribers. This objective was reached with the Winter 1977 issue. The present circulation is 10,400 and the renewal rate continues at 70%. Two major campaigns are planned.

Last year about 13,000 copies of each issue of the magazine were distributed; since surveys show four persons read each issue this now means a readership of 52,000. The seminars and the sale of reprints increased the income of the magazine substantially (41,861 reprints were sold). After a five-year slump in advertising revenues there was an encouraging increase in sales for the 1977-78 period. The Spring 1978 issue carried, in total, 16 pages of advertising and there is encouraging evidence that this trend will continue. As in the past, ever-increasing numbers of unsolicited manuscripts were received and 50 publishers requested permission to reprint editorial material. The future outlook of the magazine has never been more optimistic as is evidenced by the numerous complimentary response letters received after each issue is published.

#### WESTERN MANAGEMENT

The Spring 1978 issue of WESTERN MANAGEMENT, the valuable communication between the School and its graduates in the business community, was the 7th issue to date and was mailed early in 1978. This will be the sixth year of publication for this magazine which now reaches 13,500 readers including the Advisory Committee, Associate Companies, alumni, the media and friends of the School.

In addition to providing a large variety of information about the School's wide range of activities in the national and international business communities, it provides a useful means of attracting students not only to the MBA and Undergraduate Programs, but also to the summer continuing education programs.

#### THE GILLETTE LECTURE SERIES

The traditional late-fall Gillette Lecture was not held in 1977 inasmuch as it is planned to have a 'Super Gillette' in 1978 to coincide with the University's Centennial Year celebrations.

#### BUSINESS QUARTERLY SEMINARS

The Seminar 'Managing in a Stressful Environment' has been presented in Canada 10 times since its inception in 1976. It was given in Ottawa, Edmonton, Vancouver and London in the past academic year to capacity audiences. The Canadian Box Manufacturers' Association has requested it be given in Bermuda as the highlight of the Association's Convention in June, 1978. This seminar, conducted by Dr. John Howard of the Business School, also included Drs. Peter A. Rechnitzer, D.S. Milton Haines and D.A. Cunningham, all specialists in



APPRECIATION

Since this is my final report, I would like to pay tribute to the three groups who have made my 15 year tenure both challenging and rewarding to me as Dean of the publicly acknowledged outstanding business school in Canada. It is of intense personal satisfaction to me to look back on the many changes that have occurred since 1963 and know that I shared in the process of conceptualizing and carrying out the many new developments that have occurred at the Business School.

The first group to whom I would pay tribute is the Canadian business community and its leaders who form the Advisory Committee. This School has been very fortunate to have the strong backing which has manifested itself in Phase I and II of the Plan for Excellence. The critical nature of this support cannot be overemphasized; it has made possible research and case development activities that have enriched not only our programs but also business education across Canada.

The second group I wish to mention are the faculty and staff of the School. They have been a truly outstanding group of people to work with over the years. Since they have consistently had the best interests of the School as their goal they have made my job as Dean a little easier than some of my colleagues at other schools have found it.

The last group I wish to thank are the students who have successfully gone through our many academic and management programs. They are truly the life blood and the raison d'etre of the Western Business School. Working with them while they are at the School and subsequently through the Western Business School Clubs has been one of the real joys of my job.

I leave my post as Dean knowing that the leadership of the Western Business School is secure in the appointment of Professor C. B. Johnston as my replacement. I am confident that he will have your full support.



FACULTY OF DENTISTRYREPORT OF THE DEANWESLEY J. DUNNMERGER - DEPARTMENTS OF ORAL MEDICINE AND ORAL SURGERY

Because of budgetary constraints, the Faculty was unable to provide for a full-time oral surgery replacement for Dr. Hy Goldberg following his resignation from the full-time academic staff of the Department of Oral Surgery. Dr. A.G. Parnell, Professor and then Chairman of the Department of Oral Surgery, understandably, advised the dean he could no longer continue as Chairman of the Department following the end of that current academic year. It was with deep regret that Dr. Parnell's resignation was accepted.

For sound academic and administrative reasons, the Council of the Faculty, during its June 1978 meeting, gave approval to the merger of the Department of Oral Medicine and Department of Oral Surgery. Assuming both Senate and Board approval, a new Department of Oral Medicine with four divisions --Oral Medicine, Oral Radiology, Oral Surgery, and Periodontics--will be operable during the 1978-1979 academic year.

It is obvious that the viability of any department depends on a "critical mass." Very small departments are almost virtually incapable of responding to budget reductions without something approaching irreparable damage to whatever programs they offer. It is hoped that through this merger both the discipline of Oral Surgery and this Faculty will find it a little easier to cushion any further financial constraints which may be imposed.

CLINICAL COSTS OF DENTAL EDUCATION

Inseparable from the dental educational process is the service aspect of the rendering of dental care to patients. Faculties of Dentistry operate what is tantamount to an out-patient department of a hospital. Yet the total costs of this operation fall to the budget of the University. In this respect, dentistry is different from medicine because there the service costs are embraced within the Ministry of Health rather than the Ministry of Colleges and Universities.

Through the combined efforts of the Universities of Guelph, Toronto, Waterloo, and Western Ontario, a comprehensive Brief was prepared on the subject of the clinical costs of instruction in dentistry, optometry, and veterinary medicine. On 30 January 1978, on behalf of the four universities, Dr. D.F. Forster, Chairman of the Council of Ontario Universities and President of the University of Guelph, submitted the report to the Minister of Colleges and Universities.



### DISTRIBUTION OF CURRICULUM HOURS

The Committee on Undergraduate Dental Curriculum reviewed the distribution of hours in all four years of the program. The total number of assigned hours is 4,210. First year have 987; second year, 1034; third year, 1236; and fourth year, 953.

### COURSES AND SUPPLEMENTAL PRIVILEGES

As considerable confusion has characterized the identification of courses and subjects and as this confusion has had implications on deciding on the applicability of supplemental examination privileges, the Committee on Undergraduate Dental Curriculum addressed itself to this important topic.

A "course" is now defined as a discrete division of a general subject and is characterized by specific instruction and by examinations specific to the said course. Where a general subject is not divided into discrete divisions it shall, for the purpose of the regulations, be considered a course.

For supplemental examination purposes, courses have been designated as "half courses" or "full courses." In any given year the total number of supplemental examinations permitted shall not exceed two full courses. A student may be eligible to take supplemental examinations if he or she fails in no more than two full courses or in one full and two half courses or in four half courses.

In the calculation of a student's composite grade for a given year full courses are weighted twice as much as half courses.

### SEMINAR ON "PROCESS"

Experience before the Senate Review Board Academic has shown that it is not too difficult to explain and justify evaluations of the terminal performance of students in preclinical or clinical disciplines. It has, because of the subjectivity involved, been infinitely more perplexing to address the "process" by which student evaluations have been developed. The Committee on Teaching Methods and Materials, accordingly, on 14 April 1978, conducted a most useful "Seminar on 'Process'." The Seminar was under the competent direction of Dr. D.G. Montemurro, Chairman of the committee, and 27 members of faculty and 3 students were present. The presentations generated useful and responsive commentary and all agreed that the Seminar served, most significantly, to heighten the level of consciousness within the Faculty concerning the evaluative process.

### POLICY CONCERNING UNDERGRADUATE STUDENT TRANSFERS

The Faculty has had a policy respecting undergraduate student transfers for several years. However, it was found that it was almost impossible to administer it effectively and a revised policy, therefore, was adopted



The Faculty is deeply grateful to the Academy of Operative Dentistry and the Alpha Omega International Fraternity for their contributions to the promotion of academic excellence in this school.

#### ADMISSIONS' POLICY

In November 1977, the Executive Committee of the Council of the Faculty unanimously approved a recommendation received from the Admissions Committee of the Faculty, as follows:

"Whereas Landed Immigrants are now eligible to apply for Canadian citizenship after three years of residency, and

Whereas the Admissions Committee has given lengthy consideration over a period of years to this matter, together with all its ramifications, the Faculty of Dentistry Committee on Admissions unanimously confirms that the priorities of application for entry to the Faculty of Dentistry should remain as they are at present:

'Priority consideration shall be given, all other things being equal, firstly to Canadian citizens who are resident in Ontario; secondly to Canadian citizens resident elsewhere and to all Landed Immigrants irrespective of the province in which they reside; and thirdly, to all others. (One position is available for applicants supported by the Canadian International Development Agency or similar agency).'"

The Senate Committee on Admissions and Academic Programs Policy (SCAAPP), did not agree with the position taken by the Faculty. It subsequently recommended to Senate amendments to the admissions' priorities wherein all Landed Immigrants in Ontario will be considered equal to Canadian citizens resident in Ontario and in a position of priority over Canadian citizens residing elsewhere.

During the meeting of Senate, at which this issue was debated, the position of SCAAPP prevailed. Thus it was necessary for the Faculty to establish new priorities concerning the admission of applicants. Accordingly, the following policy was approved:

"Priority #1 - at least 90% of the incoming class will comprise Canadian citizens and Landed Immigrants who meet the residency regulations applicable to Ontario, and

Priority #2 - up to 10% of the incoming class *may* comprise Canadian citizens and Landed Immigrants who do not meet the said residency regulation. (One position is available for applicants supported by the Canadian International Development Agency or similar agency)."



only by members who have the time and opportunity to attend all the meetings at which judgements on admissions are exercised.

#### GRADUATE ORTHODONTIC PROGRAM APPRAISED

The Appraisals Committee of the Ontario Council of Graduate Studies recommended to that Council that "on the basis of the four-year report, the MC1D (Orthodontics) program at The University of Western Ontario be approved to continue and that a report be submitted by 1 January 1983 discussing the further development of the program particularly with respect to such matters as student theses and staff workloads."

The Graduate Program in Orthodontics, established in 1973, enjoys the status of "approval" of the Council on Education of The Canadian Dental Association.

#### GRADUATE PROGRAM IN PATHOLOGY

During the year, the Council on Education of The Canadian Dental Association arranged for a Survey Team to visit the campus of The University of Western Ontario for the purpose of evaluating the Graduate Program in Pathology with Training in Oral Pathology. It is a pleasure to report that, acting on the recommendation of the Survey Policy Committee of The Canadian Dental Association, the Council on Education conferred the status of "approval" on the program for a five-year period. Dr. D.G. Gardner, Chairman of the Division of Oral Pathology, and his colleagues, Dr. J.P. Sapp and Dr. G.P. Wysocki, deserve commendation for having established a program which received full approval on its first evaluation.

#### GRADUATE PROGRAM IN PERIODONTICS

After several years of conscientious efforts, circumstances were such that it was necessary for the Chairman of the Division of Periodontics, in May of 1978, to report to the Executive Committee of Council that it was the consensus of the faculty of the Division of Periodontics and the Department of Oral Medicine that the proposal to establish a graduate program in Periodontics not be pursued at this time. The bases for the decision were to a very limited extent, the reports of the external appraisers and, more particularly, the recommendations of the Subcommittee on Dentistry of the Postgraduate Manpower Committee of the Council of Ontario Faculties of Medicine.

The Faculty was not particularly impressed with the reports of the external appraisers but as a societal need could not be identified within the report of the Subcommittee on Dentistry, it seemed judicious that further efforts be abandoned at this time.



Dr. G.P. Wysocki - "Ultrastructure of the Epithelial-Connective Tissue Interface", Medical Research Council - \$20,200

Department of Oral Surgery

Dr. I.D.F. Schofield, Dr. B.A. Warren, Dr. J. Rozanis - "An Investigation of the problem of dry socket following tooth extraction", Ministry of Health - \$35,000

Dr. A.G. Parnell - "Comparison of Lidocaine and Bupivacaine (Marcaine) as Local Anaesthetics for Use in Dentistry". All costs involved in this study are provided by Winthrop Laboratories.

Department of Paediatric and Community Dentistry

Dr. D.W. Banting - "Longitudinal Study of Dental Caries", National Health and Welfare - \$15,376

Dr. R.A. Latham - "Study and Treatment of Oro-facial **Anomalies**", Medical Research Council - \$20,472

Dr. G.Z. Wright - "Dental Floss Study", Johnson and Johnson - \$30,311

Department of Restorative Dentistry

Dr. L.N. Johnson and Dr. R.E. Jordan - "Physical Properties of Dental Materials which Determine Clinical Management" - Ministry of Health, \$32,169

Dr. R.E. Jordan - "Arrest of Various Lesions by Means of Fissure Sealant Application", Ministry of Health - \$19,120

Dr. M. Suzuki, Dr. R.E. Jordan, and Dr. A.J. Gwinnett - "Restoration of Fractured and Hypoplastic Incisors by means of Acid Etch Resin Technique" - Ministry of Health - \$12,100

Dr. R.E. Jordan and Dr. L.N. Johnson - "Amalgam Alloy Restorations" - Ministry of Health - \$12,700

In addition to the above, various other non-funded research activities took place in the Faculty, as well.

The MRC General Support Grant was employed for the following purposes:

Drs. B.A. Warren and J. Rozanis - "Dry Socket" - \$2,900

Dr. Barry Tepperman - start-up grant "Physiology Research" - \$900.

Dr. D.W. Banting and Dr. John Stamm - "Investigation of fluoride concentration of cementum in fluoridated and non-fluoridated areas" - \$2,500.



CONTINUING EDUCATION

Again, this year, several valuable continuing education programs had to be cancelled because of inadequate participating interest on the part of the profession. The following five courses were withdrawn even though considerable effort had been made toward their presentation:

Adhesive Resin Restorations  
 Treating the Child Patient  
 What's New in Restorative Dentistry  
 Management of Dental Materials and Restorative Dentistry  
 Dental Anatomy and Occlusion.

Fourteen courses were presented during the 1 July 1977 through 30 June 1978 period. The following are the courses, the dates on which they were held, and the number who attended:

<u>Title</u>	<u>Date(s)</u>	<u>Attendance</u>
Common Oral Diseases	21-22 October 77	13
Radiology for Dental Assistants and Hygienists	18-19 November 77 & 10-11 February 78	12 11
Fundamentals of Occlusion and Articulation	17-19 November 77	15
Diagnosis and Treatment with Removable Appliances	25 November 77	36
Operative Dentistry Today	26-27 November 77	19
Crown and Bridge for the General Practitioner	2- 4 December 77	36
What's New in Operative Dentistry	20-22 January 78	11
Forensic Odontology	10 March 78	13
The Aetiology and Management of Unerrupted Teeth	4 March 78	18
Treatment of Severe Class II Malocclusion	10 March 78	12
Endodontics for the General Practitioner	17-19 March 78	11
Removable Partial Dentures	6- 8 April 78	24
Occlusal Therapy, Part II	29 May-1 June 78	20



The committee employed the 1976-1977 Report of the Faculty of Dentistry as its resource document. Although there were no specific recommendations accruing from the discussions, the exchange of views on such topics as Curriculum, Admissions, Continuing Education, Research, and Professional Conduct Code were most helpful.

The Faculty of Dentistry continues to be most appreciative of the contributions of the members of the Advisory Committee. This annual opportunity for an exchange of views is of great importance to the school. We hope that it is useful, as well, to the various constituencies represented on the committee.

#### UWO CLINIC NIGHT

Again, the Faculty was privileged to be requested to present a Student Clinic Night as part of the formal program of the London and District Dental Society. On 1 February 1978, seven students offered the following topics for the interest of the members of the society:

Bacterial Endocarditis	-	Mr. Kenneth Hebel
Anterior Cross-Bite	-	Mr. Neil Fukumoto
Periapical Cemental Dysplasia	-	Ms. Donna Gregorash
Acid Etch Resin Temporary Bridge	-	Mr. David Hurst
Fight Cavities with Sugar Substitutes	-	Mr. Douglas Wilson
Over-Denture	-	Mr. Jeffrey Swartz
Review of the Dry Socket Syndrome	-	Mr. Thomas Costigane

The presentation of Ms. Gregorash was adjudged to be the most meritorious and, as a consequence, she had the privilege of being selected to represent the Faculty at the Student Table Clinic Program at the Annual Convention of The Canadian Dental Association to be held in Winnipeg, Manitoba, from 10-13 September 1978.

#### COLOMBIA EXCHANGE PROGRAM

The third year of the exchange program with the Facultad Odontologia of the Universidad de Antioquia embraced visits, in the fall of 1977, from two members of the academic staff of our South American exchange partner. Dr. Raul Cadavid and Dr. Nury Ossa, whose main interest found itself in the discipline of Oral Radiology, visited this Faculty for two weeks. The Faculty was able to arrange, through the co-operation of Dr. R.N. Shervill, Chairman of the Department of Spanish and Italian, for Mrs. Patricia Leishman to serve as translator for the two-week period.

Dr. David G. Gardner, Chairman of the Division of Oral Pathology, enjoyed and benefited from his visit to Colombia in the spring of 1978.



### DIVISION OF REMOVABLE PROSTHODONTICS

It is with regret that the resignation of Dr. James E. Ryan, the original chairman of the Division of Removable Prosthodontics, must be reported as having occurred within the 1977-1978 academic year. The Faculty was fortunate, however, in being able to persuade Dr. Paul S. Sills, Associate Professor of Removable Prosthodontics, to assume the chairmanship of the division.

### CHIEF OF DENTISTRY - VICTORIA HOSPITAL

Dr. W.H. Feasby, Professor and Chairman of the Department of Paediatric and Community Dentistry and, for several years, Chief of Dentistry at Victoria Hospital, tendered his resignation from the latter post, effective 31 December 1977. As the Selection Committee established for the appointment of a Chief of Dentistry at Victoria Hospital was unable to complete its deliberations prior to the date of Dr. Feasby's announced resignation, he, most generously, agreed to continue in the post until such time as the Selection Committee could complete its task.

Dr. Feasby, although experiencing difficulties not of his own making, has given most effective leadership to the development of dental services in Victoria Hospital.

### APPOINTMENTS, RESIGNATIONS, AND RETIREMENTS

It is a pleasure to report on the following full-time appointment, to this Faculty's academic complement, during 1977-1978:

Dr. David H. Charles, Assistant Professor,  
Department of Restorative Dentistry, effective  
1 December 1977.

In addition to the above, the Faculty experienced its first faculty appointment through a "Geographic Full-Time" arrangement with Southwest Middlesex Health Centre. Dr. R.A. Brandon, a 1974 graduate of the school, was appointed as an Instructor in the Department of Paediatric and Community Dentistry, effective 1 August 1977.

The Faculty was pleased, also, to enjoy the services of Dr. V.K. Maini during the 1977-78 academic year. Dr. Maini was appointed on 1 September 1977 as an Instructor (full-time) in the Department of Oral Surgery for a nine-month limited term concluding 30 May 1978, such appointment being occasioned by the resignation, in the previous academic year, of Dr. Hy Goldberg.

In addition, the Faculty was pleased to enjoy and benefit from the contributions of two distinguished colleagues from King's College Hospital Dental School, England, during the past academic year. Drs. B.C. Leighton and R.D. Howard undertook four-month limited term appointments as Visiting Professors in the Department of Paediatric and Community Dentistry in the Division of Orthodontics. These appointments were necessitated by the medical leave of absence of Dr. A.W. Eastwood. The Faculty is indebted



Dr. F. Mader, Clinical Instructor, Department of Paediatric and Community Dentistry

Dr. W.C. Slinger, Clinical Instructor, Department of Paediatric and Community Dentistry

Dr. D.H. Smith, Clinical Instructor, Department of Paediatric and Community Dentistry.

MICROBIOLOGY AND IMMUNOLOGY

Because the disciplines within the existing Department of Bacteriology and Immunology cover a much larger field than that connoted by the term "Bacteriology" the name of the department was changed to that of Department of Microbiology and Immunology.

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## FACULTY OF EDUCATION

Dean Bernard J. Shapiro

The most public matter concerning teacher education during the past year has been the matter of job availability and placement. Although the 1976-77 placement record of our Faculty would appear to be among the two best in Ontario, only approximately 60% of our B. Ed. graduates were placed in teaching positions. Nevertheless, applications for the 1977-78 B. Ed. programmes showed some increase over those of the previous year. Consistent, however, with the Faculty's longer term policy, fewer students were offered admission. In addition, within these smaller numbers, there was an internal shift of emphasis with relatively more students in the Division I (Primary/Junior) than in the Division II (Intermediate/Senior) programme. Future plans are to maintain this shift in emphasis, to further reduce the B. Ed. enrolment and, consequently, the size of the full-time faculty. One aspect of this expected "change in scale" is our present plan to consolidate the entire faculty within Althouse College by September, 1979.

Graduate enrolment was approximately the same as in the 1976-77 year with, as before, the largest proportion of the students selecting the M.Ed. (Educational Studies) option. The only growth area in instructional activity within the Faculty was in in-service education. Several new courses (e.g., Technological Studies, Environmental Education) were offered, and a major conference on writing skills, The Second R, was held. This conference was sponsored by the Faculty of Education and organized in cooperation with both other faculties and several school boards. Over four hundred teachers attended, and a second conference in this same area is being planned for 1978-79.

Finally with regard to our instructional programme, two members of our faculty, Professor Paul Park and Professor Barbara Houston, received OCUFA awards in recognition of the excellence of their teaching.



Administratively, the Faculty has operated within the new structures adopted in 1976-77. Two minor changes worthy of note are (a) the consolidation of the Practice Teaching Office and the Office of the Registrar into a new Office of Student Services, and (b) the decision by the Ontario Faculties of Education to use, beginning with the 1979-80 B. Ed. class, the Guelph Application Centre.



## FACULTY CHANGES

Retirements

J. Eaman  
 E. Glover  
 D. Logan  
 E. McLeish

Resignations and Terminations

W. Blackbird	M. Danylewycz	K. Leyland	L. Robinson
A. Brendon	L. Hodson	M. McCarthy	R. Shimer
V. Caccamo	B. Kaiser	J. McCall	
J. Crawford	P. Lafond	M. Porte	

Appointments

D. Allison, Lecturer  
 D. Bachor, Assistant Professor  
 R. Barrow, Visiting Professor  
 V. Belecky, Lecturer  
 A. Bjerring, Assistant Professor  
 L. Gianelli, Visiting Educator  
 B. Joyce, Visiting Professor  
 B. Kaiser, Visiting Educator  
 D. Lawton, Visiting Professor  
 D. Lee, Assistant Professor  
 D. Raphael, Assistant Professor  
 W. Sorenson, Assistant Professor  
 R. Shimer, Visiting Educator  
 B. Strachan, Assistant Professor

Changes within Faculty

D. Gutteridge, Promotion to Full Professor  
 J. Miller, Granted Tenure  
 P. Park, Appointed Assistant Dean  
 E. Procunier, Promotion to Full Professor  
 M. Sitko, Granted Tenure  
 H. Stevenson, Appointed Assistant Dean



FACULTY OF ENGINEERING SCIENCE  
ANNUAL REPORT FOR THE ACADEMIC YEAR 1977-78

by  
Dean G.F. Chess

### Preamble

The year 1977-78 was a good year for the Faculty, marked by a relatively smooth completion of the transition of the undergraduate program to the term system of progression and a continued strong effort in research and graduate studies. It was marred, however, by the untimely deaths of Dr. A.I. Johnson, who had been Dean for some six years, and Mr. J.J. Miller, a preceptor and former Administrative Officer.

### Faculty

The faculty complement remained fairly stable during the year. We reluctantly accepted the resignation of Professor C.G.J. Baker, who had accepted a research position with the Atomic Energy Establishment, Harwell, England. He has been replaced on a temporary basis by Mr. M. Alvarez-Cuenca. We also bid farewell to Professor P.W. Davall, who left to take up a research position with The Saskatchewan Power Corporation.

Professor P.A. Rosati took a leave of absence for six months to attend a graduate program in Engineering Education at The University of West Virginia. Professor J.M. Beeckmans was on a well-deserved sabbatical leave on completion of his term as Chairman of Chemical and Biochemical Engineering.

### Students

We had a very lively group of pranksters in the Faculty this year. In addition to the traditional pumpkin face on the Cronyn Observatory at Halloween, a Datsun was deposited in the main stairwell of the Social Science Centre, a cement block wall was erected across the University gate on Richmond Street, the Middlesex Tower clock was rigged, a Volkswagen was welded around a lamp standard, a student leaped through an open window during class, and the alcove outside the Dean's Office became on one occasion a depository for old newspapers and on another, a gold fish pond - the Dean's Secretarial Pool. Fortunately, many students also found time to study.

### Special Events

Several special events were held. Among these were:

Parents and Friends Day, November 20, 1977.

Address by Dr. Alexander King, Chairman of the International Institute of Advanced Study, March 3, 1978.



Chemical and Biochemical Engineering  
N. Kosaric, Chairman

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The enrolment seems to have stabilized at about thirty students per year. All graduating students found suitable employment, mainly in the chemical and petrochemical industries. The transition of the final year to the term system progressed relatively smoothly but it was found necessary to re-establish the chemical engineering plant design course as a full year course rather than two half-courses. The Group is concerned about the loss of several valuable faculty members over the last several years and faces a difficult task in recruiting replacement faculty of suitable high quality.

Civil Engineering  
M.P. Poucher, Chairman

The undergraduate enrolment was at an all time high. However, preregistration for the coming year suggests that a peak has been reached and students numbers will likely stabilize at a somewhat lower level.

Continued efforts are being made to improve the quality of teaching and of student performance. Of particular note are the prerequisite requirements for a number of courses which have emphasized to the students the importance of fundamentals. The change in emphasis to project work in the senior Civil Engineering Design course, resulted in student work of very high calibre. Conversion to the Standard International System of units has already begun in the construction industry. As a result, considerable changes will become apparent in design courses starting next year. The rate of conversion of the teaching laboratories to S.I.U. standards will be highly dependent on available funding.

The difficulty in finding a suitable qualified geotechnical engineer for a faculty appointment persisted for the third year in a row. The Faculty was fortunate to obtain the services of Mr. R. Gould, P.Eng., from the consulting company of Golder and Associates on a part-time basis to help fill the void. There is now some optimism that a suitable appointment will be made during the next academic year.

Electrical Engineering  
G.S.P. Castle, Chairman

This is the first year that students in the Electrical option were allowed optional courses in the Fourth Year. The transition was smooth with approximately equal numbers electing courses in the two fields: power and communications. Some difficulties were experienced with time scheduling in the design course but the problem should be resolved for next year.

An important change in course offering for next year is the introduction of an elective course in microprocessors. At the same time, proliferation of courses was avoided by re-arranging course material in other courses and deleting a course.



Electrostatic protection of the surgical wound. This is a joint project supported by the Medical Research Council directed by S.W. Brash (Orthopaedic Surgery) and I.I. Inculet. After extensive development work and tests carried out in the Faculty of Engineering Science, the apparatus was moved to the animal operating room at University Hospital where live animal experiments are in progress. A new improved system is currently being tested in the Applied Electrostatics Laboratory.

Beneficiation of Western Canada coals. The excellent progress achieved in the joint project (I.I. Inculet, M.A. Bergougnou, J.D. Brown) supported by the Department of Energy, Mines and Resources has led to a major application to the Department of Supply and Services to beneficiate the immense coal reserves of the Hat Creek Mine in British Columbia.

Charging of droplets in electrostatic painting. This joint project (G.S.P. Castle, I.I. Inculet, K.A. Shelstad) is of considerable importance to the rapidly expanding electrostatic painting industry as well as for the fundamental investigation in the charging of small particles by means of corona. The results to date have brought to light unknown aspects of the short-time corona charging process.

Biochemical and Food Engineering  
N. Kosaric, A. Margaritis, J.E. Zajic

The biochemical engineering research interest focuses on new surfactants produced by biochemical means. These include separating agents for tar sands, emulsifying agents and multiple emulsions. Structural identification is important in all this research. Energy production by biological means is also under study. Hydrogen is receiving the major emphasis along with ferredoxin and the production of polymers from waste organic materials. Additional projects are focusing on reactions taking place at interfaces.

Contract research is being conducted on (1) The cold water separation of tar sands and (2) The leaching of vanadium and nickel from tar sands coke. The first is sponsored by Energy, Mines and Resources and The Department of Supply and Services (\$120,000) while the second is sponsored by The Alberta Oil Sands Authority (\$47,000). A 260 page report has been completed on the former and a 130 page report on the latter project. Seven full time people (4 Ph.D's, 1 M.Sc., 2 technicians) are employed on these projects. NRC operating funds for 1977 were \$24,500 and a special equipment grant for \$10,000 was received.

The Sixth International Fermentation Symposium (IFS) is scheduled to be held in July 1980 at The University of Western Ontario. The IFS general committee met once in 1977 and the Chairman, J.E. Zajic, chaired at least ten other operating committee meetings of the IFS. Preparations for the meeting are proceeding satisfactorily with fund raising providing the most problems.



The new IBM headquarters building in New York (J. Larrabee Barnes, Architect; Worthington, Skilling, Helle & Jackson, Structural Engineers).

Diffusion studies for Quebec Hydro.

#### Energy and Heat Transfer

T.E. Base, J.A. MacDonald, E.S. Nowak, A.T. Olson, R.K. Swartman, J.D. Tarasuk

Studies on the thermophysical properties of heavy water has reached a stage where the complete experimental calorimetric systems can be controlled and analyzed by a stand-alone computer operated Data Acquisition System. The system is supported by a Core Grant from the National Research Council.

Fundamental studies on coupled heat transfer systems and studies on the effect of free stream turbulence on the heat transfer from heated plates continue. Application of theory to inflatable structures (such as those used to cover tennis courts) has shown good correspondence between theory and experimental results.

Research in alternate forms of energy has focused on solar and wind energy. The use of solar energy for heating and cooling (combined with absorption refrigeration) is being investigated. Research in wind energy has been concerned with energy and reduction of the size of the wind turbines required.

#### Environmental

J.L. Sullivan

Research on remote sensing of air pollutants, biomass digestion for methane production, and field studies of pollution sources continues. This activity complements the formal M.Eng. program.

During the past year, The Ontario Ministry of Labour has shown increased interest in occupational health and safety, an area closely related to environmental engineering. In response to a joint proposal to the Faculties of Engineering and Medicine, the Department funded a project to establish a Resource Centre for Occupational Health and Safety at this University (\$100,000 per annum for three years). It is anticipated that the existence of such a centre on campus will stimulate further interest in environmental engineering and further develop industry-university contact.

#### Fluidization and Particulate Studies

C.G.J. Baker, J.M. Beeckmans, M.A. Bergougnou, W. Bulani

The development of a method for the separation of mixed powdered solids has continued. This new method is called a counter current fluidized cascade and is the fluidization analogue of a distillation column or of a liquid-liquid extraction battery. Experimental results indicate excellent resolving power.



### Geotechnical

K.Y. Lo, M. Novak, R.M. Quigley

The Geotechnical Section has continued to be active during 1977-78 in the areas of soil and rock mechanics, soil-structure interaction and soil chemistry.

Contract research continued on shoreline erosion (CCIO, NRC), soil stabilization (MTC), silo foundations (DSS, OSA), underground chambers and tunnel lining-rock interactions (NRC, MTC), pipeline-agriculture impact (NRC), soil-structure interaction (NRC), and open pit mining (Golder).

Dr. M. Novak's theories and methods for the design of nuclear plants in seismic zones are now used by Bechtel Corporation of California, Atomic Energy of Canada Ltd. and Kraftwerk Union, Germany. Dr. Lo received a \$57,000 rock testing equipment grant from NRC, and his methodology for investigation and design of underground structures in southern Ontario has been generally accepted. Dr. Quigley completed his second year as a member of the NRC Earth Sciences Grant Selection Committee.

### Materials Engineering

J.D. Brown, I.J. Duerden, G.D. Moan, J.S. Sheasby

Work continues in Electron Microbeam Analysis and the development of thin film materials for use in direct conversion of solar to electrical energy. Dr. Brown has maintained active contact with Metaalinstituut TNO in Apeldoorn the Netherlands, where he spent his sabbatical leave in 1976, providing an excellent link with research in Europe.

Expertise in the field of fracture is developing under Dr. Moan who, along with members of the Civil Engineering Group, has been instrumental in obtaining funds for the purchase of large mechanical testing facilities. Dr. Moan's research into the effect of welding cycles upon the properties of HSLA steels of the type proposed for use in the Alcan pipeline continues apace.

Research in oxidation and wear continues with the support of the Department of National Defence. Dr. Sheasby has also initiated investigations in the reduction of iron oxide to iron in a fluidized bed.

Finally, the Scanning Electron Microscope operated by the Group has seen considerable use throughout the year by researchers in the Faculty of Engineering and from other faculties.

### Radio Engineering

Z. Kucerovsky, J. MacDougall, A.R. Webster

The Radio Engineering Section of the Electrical Group is actively researching areas broadly concerned with the propagation of electromagnetic radiation, covering the wide spectrum from very high radio (30 MHz) to optical frequencies. The research may be divided into three main areas, namely ionospheric, laser and microwave propagation although there is some degree of inter-relationship between these areas and all enjoy close cooperative ties with the Centre for Radio Science.



The physical properties package CIMPP is a very versatile library of computer subroutines and physical properties data primarily for chemical engineering and for thermodynamic and mass transport calculations. The package has unique features that make CIMPP different from the many other data systems currently available and this has been attractive to several large industries.

The multiple effect evaporator package EVAP has succeeded where others have failed. The EVAP program uses the same basic techniques used in our successful MULTICOL Distillation program. One key feature is the use of a general purpose executive routine which will also serve as the skeleton on which the new PAPSYS packages will be built.

In the marketing area, a great deal has been done to open up new areas of work in the pulp and paper industry and the chemical industry. Most notable, however, were competitive trials conducted by MIT which led them to rate our MULTICOL distillation program as the best tested. The result of the MIT trials has led to a good prospect of a major software sale. The CIMPP and EVAP programs also have good sales prospects.

In the academic area, the Faculty and SACDA have moved towards closer cooperation, with SACDA staff doing some teaching and project supervision in the systems area.

In June work was received of a two-year extension of the grant from the Department of Industry Trade and Commerce. This grant extension adds a great deal of stability to SACDA activities for the next few years.

In planning for the future activities of SACDA, a great deal of discussion in the Board of Advisors meetings resulted in the preparation of a preliminary planning report. The planning report has received a first review by the University Administration after having first received an endorsement by the Faculty Council. The planning work will continue, but there appeared to be substantial agreement in principle with SACDA's stated objectives.

#### Sound and Vibration

J. Bradley, S.M. Dickinson, J.E.K. Foreman

The Sound and Vibration Laboratory acts as both a teaching and research facility in the Faculty. It provides the teaching service through courses offered in acoustics and noise abatement to senior undergraduate and graduate students; the Laboratory also conducts in-house and field contract research for various levels of government, for communities and municipalities, and for the manufacturing and building industries.

The Laboratory has completed a contract research report to the Federal Ministry of Transport on the adverse effects (health impairment) of traffic noise on people; this information is now being used as a basis for the Ministry to establish a rationale for external noise limits on vehicles manufactured and imported into Canada, and will, hopefully, result in subsequent legislation. The Laboratory has worked closely with faculty and students in the Department of Psychology on this project.



In the area of vibrations, work is continuing on the study of the stability and vibrational characteristics of structural elements, aided by financial support from NRC.

University of Western Ontario Multi-Disciplinary Accident Research Team  
E.S. Nowak

The University of Western Ontario Multi-Disciplinary Accident Research Team which was formed in 1974 has proven to be extremely visible in the London community, and continues to receive good support from Transport Canada (currently \$250,000 over three years). Professional contacts have been made throughout the University community in the Faculties of Medicine, Social Science and Arts. Professional contacts have been established outside of the University at various institutions.

A major on-going study involving an investigation of motor vehicle accidents in which the occupants were fully restrained by both lap and shoulder belts is nearing completion. Two research papers were presented at a conference in British Columbia sponsored by The American Association of Automotive Medicine held in September 1977.

#### M.Eng. Program

The Civil Engineering (Structures) option had its highest enrolment since its inception. The faculty found this both gratifying and stimulating.

Interest in the Environment Engineering option continues to be steady although enrolment has decreased compared to a few years ago. In addition, the nature of the curriculum has changed to allow students to pursue interests related to the energy field.

#### Concluding Remarks

The next several years are expected to be very challenging indeed. However, the Faculty is entering its twenty-fifth year of operation with a good deal of enthusiasm and optimism and we look forward to continuing improved performance.



## SCHOOL OF JOURNALISM

Report of the Dean

Professor A. W. MacFarlane

### Summary

In this, the fourth year of the Master's program, the School virtually completed its developmental phase. The curriculum, shaped by experience, has been both enriched and stabilized. A capable faculty is in place, its research and teaching interests reflecting the professional and academic demands of the program. The School has continued its policy of creating links with other faculties which began with the joint appointment of a professor to Law and Journalism. In addition there are now senior faculty from Secretarial and Administrative Studies, Economics, and Political Science, offering regular courses in the Journalism M.A. program. The School's corps of adjuncts -- senior media professionals who teach part-time -- have continued to make an important contribution to the program, their effectiveness now enhanced by several years' experience of university-level teaching. Malcolm Muggeridge, the School's first Distinguished Visitor, will teach two courses in the Fall and Winter terms of 1978-1979. With the assistance of a grant from the Ivey Fund, a new television studio was completed in Middlesex College, complementing the radio studio and print newsroom developed in the preceding years. SUSAA provided funds for the construction of a darkroom adjoining the print newsroom, and a grant from the Academic Development Fund will allow the installation during 1978-1979 of electronic print editing equipment -- the final major component required to give the School an entirely modern plant for instruction and production in each of the major media.

### Students

The School's greatest strength remains the high calibre of students it attracts. We continue to receive about 10 inquiries and four completed applications for each of the graduate program's 36 places. All but four of the 1977 graduates were employed within a few weeks of graduation. We believe that more than 90 per cent of all our graduates are employed in media jobs, and that this record compares favourably with other North American journalism education institutions.

The service program of four half-courses offered by the School to undergraduate students in the Faculty of Social Science reached its target enrolment with 933 registrants in the two first-level courses and 91 registrants in the two second-level courses.



Professor Shirley Sharzer participated in the National Editorial Seminar of the Canadian Daily Newspaper Publishers Association and the Canadian Managing Editors Conference held in Montreal in October. She participated in panels on Analysis/Advocacy and Special Projects/New Ideas. She was a judge in the National Business Writing Awards and the National Magazine Awards, and continued as Chairman of the Canadian University Service Overseas London Local Committee. She is a member of the Advisory Board for the School's program in International and Development Journalism; liaison person with the Columbia School of Journalism; and member of Senate, the SCAAPP Subcommittee on Admissions; School of Business Subcommittee on Admissions; Senate Committee on Publications.

Professor J. L. Wild served as director of the UWO-Laval Journalism Student Exchange Program; co-ordinator Special Program for African Students; member, Ontario-Quebec Journalist Exchange Committee; member, Executive Committee, Faculty of Part-Time and Continuing Education; member, Provost's Advisory Committee on Teaching and Learning; panel member, Ontario Graduate Scholarship Program; communications consultant, Action League of Physically Handicapped Adults; judge, National Magazine Awards; lecturer, Senior Alumni Program.

Professor C. E. Wilson was on sabbatical leave working on a book to be entitled The Science of News.

### Research

The School of Journalism began field work in Kitchener in the third project of its Continuing Study. The project involves a survey of public attitudes toward formal and informal censorship of the news media. An experimental study of the relationship between media audience members' interest in a topic and belief in the accuracy of relevant news reports was completed. The School also began steps to acquire copies of the microfilm Frank Collection, held at the University of Rochester. The collection is a unique gathering of 17th century ephemera, including an estimated 3,000 newspapers dating from 1642 to 1660. Acquisition of the collection is the first stage in a planned project to compile a complete microfilm collection of extant copies from the first English newspaper (1620) to 1660. This, in turn, will complement a growing research interest on the part of several faculty members, in Journalism history.



## Adjunct Professors and Visitors

The School has been extremely fortunate in retaining the interest and commitment of its adjuncts, many of whom have taught in the program since its beginning. Some of those with significant teaching responsibilities during the year were:

Hugh Bremner; Radio Editor, CFPL, London  
 A. Jack Briglia; Managing Editor, London Free Press  
 Brian Clark; Chief Photographer, Kitchener-Waterloo Record  
 George Clark; Journalist, CFPL-TV, London  
 Arthur Cole; Director of Community Affairs, CFRB, Toronto  
 Clark Davey; Managing Editor, Toronto Globe and Mail  
 Gordon Donaldson; Author, Journalist, Broadcaster, Toronto  
 Frank Drea; M.P.P.; Journalist, Minister of Correctional Services, Province of Ontario  
 Harry Goldhar; Journalist, Toronto  
 James Guthro; Planning and Production Director of Variety and Music, CBC, Toronto  
 John Harbron; Columnist, Thomson Newspapers, Broadcaster, Toronto  
 William Heine; Editor, London Free Press  
 Mel Howey; London Free Press  
 Walter T. Johnson; Chief of Police, London Police Department  
 Fraser Kelly; Political Editor, CFTO-TV, Toronto  
 Tom G. Lytle; Journalist; Retired Assistant Managing Editor, Toronto Star  
 A.E.D. MacKenzie; Executive Secretary, Office of International Education, UWO  
 Hugh McCullum; Journalist, Author, Toronto  
 G. Campbell McDonald; Executive Director, Communication Division, Ontario Ministry of Industry and Tourism  
 Brian O'Connor; Theatre and Television Producer, Toronto  
 James O'Neail; City Editor, London Free Press  
 Lloyd Robertson; National Newscaster, CTV  
 Doreen Sanders; Editor, The Business Quarterly, London  
 Warner Troyer; Journalist, Toronto  
 Helen Wainman; CFPL-TV, London

In addition to our regular instructors from the professional world, a number of people from Journalism and related fields visited the School as resource people. They included:



Encounter/78

The School's annual major conference brought together some 20 senior working journalists from across the country and energy experts from Canada, the United States, Europe and the Far East. The conference, entitled Petroleum and Beyond, ran for two and a half days at Spencer Hall and drew extremely favourable reactions from the participants.

Program in Journalism for Canadian Native People

A proposed program in journalism for Native People has been in the planning process for 18 months. It would involve 20 students in a 12-month program designed specifically to meet the needs expressed by Native groups throughout the country. After two years the program would be evaluated and reported as a pilot project. The proposal is now being assessed by the appropriate Senate committees.

Program in International and Development Journalism

This program would tie together and extend activities already sponsored piecemeal by the funding agency, such as the Encounter series, visiting Third World academics and journalists, student internships in developing countries, and travelling fellowships for professional and academic journalists.

OUPID Seminar

The School received a grant from Ontario Universities Program in Instructional Development to hold a second seminar on instructional methods. The main topic was evaluation of student progress. Twenty-five full and part-time faculty participated. The sessions were conducted by Professor Bruce Squires of the UWO Department of Physiology.

1977-1978 Grants

The Richard and Jean Ivey Fund, \$35,000, Colour television cameras.

Donner Canadian Foundation, \$250,000, Program in Journalism for Canadian Native People.\*

Donner Canadian Foundation, \$49,189, Short Course in Law for Journalists, mounted jointly by the University's

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\* Contingent on final approval of program by UWO and Donner Canadian Foundation (expected in September, 1978).



FACULTY OF LAWReport of the DeanProfessor David L. Johnston1. Introduction

In the 1977-78 year a continuing emphasis on research resulted in the publication of a number of important new legal treatises by members of the law faculty and a high degree of productivity in other research projects. Final preparations were completed for introduction in 1978-79 of the second year core curriculum and other changes to increase opportunities for small group instruction and student writing and research projects. A number of new full-time and visiting appointments were made to broaden the faculty complement.

2. Admissions

The Admissions Committee of the Faculty of Law has a composition of ten members. These include four faculty members from the Law School, two law students, the Student Affairs Officer of the Faculty, and three faculty members from the university community.

The Admissions Committee of the Faculty of Law received a total of 2,587 applications for the 1977-78 academic year. Of this number, one hundred and fifty-three registered in first year law. For the previous year, 2,235 applications had been considered by the Admissions Committee. The Admissions Committee considered a total of fifty-five applications for mature applicants, and five were selected for admission who subsequently registered in the class. In the previous year, a total of twenty-one applications were received from mature applicants, and three were offered admission and subsequently registered in the class.

The Admissions Committee also considered five applications from Canadian native applicants. Of this number, one was offered admission and subsequently registered.

The registered class was comprised of fifty-seven students who had completed two years of undergraduate pre-law study, fifty-three students who had completed three years of undergraduate pre-law study, thirty-two students who had completed four years of undergraduate pre-law study, four students who had completed a masters degree, two students who had completed a doctoral degree, and five students who entered as mature students. A total of thirty-seven women were registered in the first year class in 1977-78. Of the one hundred and fifty-three students who registered, sixty-six had studied previously at the University of Western Ontario.

The Admissions Committee of the Faculty of Law has received a total of 2,329 applications for admission for the 1978-79 academic year. The committee has been meeting regularly to consider these applications and



To provide some raw statistics, approximately 100 letters of application for permanent teaching positions were received during the period from July 1, 1977 to mid June, 1978.

Visits were made by the Dean to a number of graduate schools including Harvard, Yale and Columbia. Approximately twenty formal interviews were conducted at these schools. Approximately a dozen candidates were invited to visit the Law School for periods of from one to two days during which time they met with members of the committee and other students and faculty. In a number of instances they gave an informal seminar so that some assessment of teaching ability in a teaching context could be made.

Of the twelve candidates, three persons were offered and accepted full-time positions, and two, visiting positions, for the academic year commencing July 1, 1978, bringing the strength of the full-time faculty to thirty-four. These new members of faculty are the following:

Gregory Millyard Dickinson, Assistant Professor

Hon. B.A., U.W.O., 1969; LL.B., U.W.O., 1973; Jeffery and Jeffery, Barristers and Solicitors, articulated, student-at-law, May 1973 - July 1974; U.W.O. London Legal Clinic, staff lawyer, May 1975 to present.

Berend (Ben) Hovius, Assistant Professor

LL.B. (great distinction) U.W.O., 1977; Dip. Ed., U.W.O., 1973; B.A. (hons.) Queen's University, Kingston, 1972; Commonwealth Scholarship, 1977.

Gareth Jones, Visiting Professor (Half Term)

LL.B. (first class hon.) London, England, 1951; B.A., LL.B. (both first class hon.) Cantaberry, 1952 and 1953; LL.M. (Class A), Harvard, 1954, Ph.D. London, 1960, LL.D. awarded for published work, Cantaberry, 1972.

Donald Keith McNair, Associate Professor

LL.B., U.W.O., 1978 (great distinction), Fellow of the Institute of Chartered Accountants of Ontario, 1970; Gold Medal, 1954; Silver Medal, Canadian Services College, 1949.

John Tiley, Visiting Professor (Whole Year)

B.A. Oxford, 1962; B.C.L., Oxford, 1963; College Lecturer, Lincoln College, Oxford, 1963-64; Lecturer, University of Birmingham, 1964-67; Assistant Lecturer, University of Cambridge, 1967-72; Lecturer, University of Cambridge, 1972-78; Fellow, Queen's College, Cambridge, 1967-78.



Hebrew University of Jerusalem, Visiting Professor of Law, University of Manitoba, 1977-78. The following members of faculty gave seminars during the same period: Professor A. Abel and Professor P. Slayton.

## 6. Library

The Library Committee filed its work plan with Faculty Council in the fall and members of the committee were involved in several meetings during that term. The most pressing issue has been the space shortage for shelving and seating. A number of meetings were held with Dr. Lee, Dean Johnston, Associate Dean Palmer, Dr. Banks, Professor Solomon and members of the University Planning Department. A tour of the library was arranged and the blueprints of the present facilities were examined. Dr. Banks and the library staff prepared a detailed report indicating the growth of our present holdings and the library's space requirements during the next two decades. These discussions and meetings will continue during the next several years.

The Law library has received substantial grants from both the Josephine Spencer Niblett Endowment Fund and The Law Foundation of Ontario. Monies from the first fund have been used to purchase several more expensive sets of materials and establish a permanent collection of the faculty members' publications. A large percentage of the funds from the Law Foundation were used to purchase periodicals, treatises and other materials which are essential to maintaining our collection but which could not otherwise be obtained due to budget restrictions on new acquisitions. A sizeable percentage of the funds were used to purchase materials to meet our commitments in the Ontario Law School Libraries Co-operative Acquisitions Plan. Given the projected budgetary restraints on internal funds, the monies provided by the Spencer Niblett Endowment and The Law Foundation will continue to be essential to maintain our collection.

The committee also discussed a number of issues that were raised by the faculty and students. The library was asked to prepare a statement on its reshelving policy and on the storage of old and infrequently used materials. These statements will be made available to the students and faculty in an attempt to improve library service. The committee discussed the COM catalogue system presently under study by the University Library Council and informed faculty members about how the new catalogue would operate and why it is being recommended.

As of spring 1978 the law collection stood at approximately 110,000 volumes. The major issue for the library continues to be space limitation, both for shelving the collection and for student seating and library staff work areas.



Activities of the Institute - 1977-78:

(i) Student Exchange:

Eight students from the Faculty of Law at Western spent one semester each at the Case Western Reserve Law School. Five students from the latter came to Western for a semester.

These figures represent a significant increase in participation in the student exchange over 1976-77. In 1976-77 two Western students and four Case Western students took part in this program.

(ii) Short-term Faculty Visits:

Short-term faculty visits were down in number from those that took place in 1976-77. This was expected. The initial purpose of such visits was to familiarize the faculties of the two law schools with each other, and to encourage an atmosphere of collegiality between them.

That this has been accomplished is witnessed by the fact that three professors (two from Case Western and one from Western) have agreed to engage in research projects under the sponsorship of the Institute.

(iii) Conferences:

In 1977-78, the Institute sponsored three conferences.

The first, a conference examining the impact in Canada of the extra-territorial application of the U.S. antitrust laws, took place at Western on September 30, 1977.

This was followed in October, 1977 by a more general two-day conference on Canada-U.S. legal relations. This conference was jointly sponsored with the Canadian Institute for International Law. It took place at the University of Ottawa.

The third conference was held in February, 1978, at Case Western. It examined the taxation of businesses operating in both Canada and the United States.

Each of these conferences was a success, garnering considerable attendance and interest. The proceedings of the conferences will be published by the Institute in the 1978-79 academic year.

(iv) Exchange of Faculty:

In the fall semester, 1977-78, Professor Ronald J. Coffey (Case Western) came to Western under the sponsorship of the Institute to teach a course on United States securities law. In the spring semester, Professor Bruce Welling (Western) went to Case Western on a similar exchange. Professor Welling's main assignment at Case Western was to teach a course on Canadian tax law.



course with five clinical students specializing in criminal law. Additional space has been obtained with Ontario Legal Aid Plan financing adjacent to the present offices. The new program will be directed by Professors Dennis O'Connor and Alan Bryant with the assistance of two prominent criminal counsel, Mr. Ted McGraw and Mr. David Doherty.

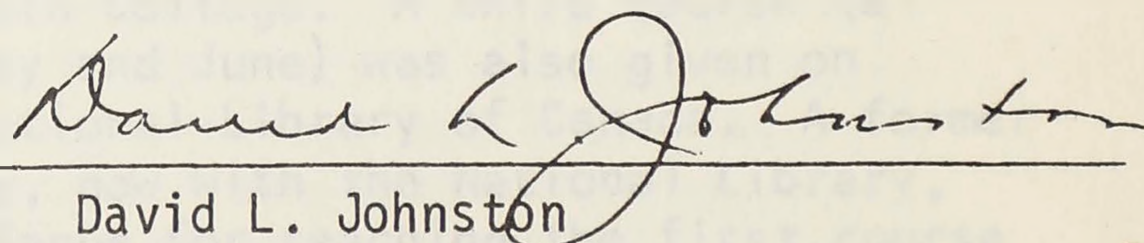
The Student Legal Aid Society, a voluntary, extra-curriculum program through which approximately 125 students provide legal assistance to members of the university community and the public, received continued funding of approximately \$22,200. from the Ontario Legal Aid Plan. In its expanded quarters within the Law School and with a new staff review lawyer providing full-time supervision, it provided direct legal assistance to 1,426 clients in the past year.

(c) Short Course in Law for Journalists

This summer the first short course in law for journalists was given with the assistance of a three year \$50,000. grant from the Donner Foundation. Fifteen media professionals from across Canada were in residence for three weeks to take the course jointly organized by the Law Faculty and School of Journalism. The course is designed to enhance journalists' knowledge of the Canadian legal system - its origins, social objectives, institutions, personnel and language.

(d) Laval - Western Exchange

Funding from the Quebec - Ontario Educational Exchange program was obtained this year to commence an exchange of two students each term between Western and Laval law schools in January, 1979. It is anticipated that faculty exchanges of a shorter duration will also take place.

  
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David L. Johnston  
Dean

July 25, 1978



## School of Library and Information Science

## Report of the Dean

Dr. William J. Cameron

As the University entered its second century and the School its second decade during the reporting year July 1977-June 1978, it seems appropriate in this annual report to look back briefly over the past ten years as well as the last year.

SLIS began its program of studies leading to the M.L.S. degree in September 1967, with seven full-time and three part-time faculty, 40 full-time and 20 part-time students, and a support staff of five. Ten years later, 17 full-time and 6 part-time faculty, with a support staff of 18 were conducting three programs - an M.L.S. program in which 128 full-time and 38 part-time students were enrolled, an M.L.S. program in extension (in Ottawa) in which 38 part-time students were enrolled, and a Ph.D. program in which 8 students were enrolled.

The MLS Program

The extension program in Ottawa was perhaps the major innovation in the reporting year, and its success has been due to very thorough planning and research conducted by a coordinating committee of interested librarians in Ottawa, and to extraordinary cooperation and goodwill on the part of many libraries and educational institutions in the Ottawa area. Facilities and support services have been willingly and freely supplied by the National Library, the Canadian Institute of Science and Technology Information, the University of Ottawa, Algonquin College, and Carleton University especially, but many other institutions have also contributed to the mounting of a course each term in the Ottawa area. The first course was held in the University of Ottawa, and the second at the Rideau campus of Algonquin College. A third course (a 7-week, twice-a-week one mounted in May and June) was also given on the Rideau campus and partly in the National Library of Canada. A former faculty member of SLIS, Dr. Tom Delsey, now with the National Library, shared responsibility with Professor Tague for teaching the first course and he continues to act as liaison officer. A graduate of SLIS, Albert Joseph, now a librarian at the Woodroffe campus of Algonquin College, provided laboratory teaching in support of seminars conducted by Professor Dolan in the second course. Helen Rogers, chief of computer-based reference services at the National Library and her staff provided excellent support for the third course, taught by Professor Sprovieri.



Professor Ganesh Bhattacharrya resigned in August to return to India as Head of the library school in the University of Madras. He has contributed a great deal to the development of the School, both in his own person and as a representative of the continuing influence of the Documentation Research and Training Centre in Bangalore. With the return of Professors Cameron and Hotimsky from leave, the full-time complement of the faculty was restored.

Part-time faculty during the year included our adjunct professors Dr. R.E. Lee and E.S. Beacock, and regular visiting professors M. Beckman, S. Langmead, and E. Donnelly. New to the teaching program were Dr. Hans Möller, Redpath Library, McGill University (teaching Audio-visual Theory and Practice), Carolyn Presser, Waterloo University (teaching Government Documents), and Pat Dewdney, formerly of London Public Library, (teaching Community Services). All brought considerable practical experience and strong theoretical principles to bear on their subjects.

Over 50 practising librarians and information professionals contributed to seminars during the year, and we owe a great debt to their willingness to share their experience with students.

### Administration

Dr. Elaine Svenonius, after having served as Acting Dean during 1976-77, resumed as Assistant Dean for the reporting year. Because her term of office was to come to an end on June 30, and because the term of office of the Assistant to the Dean, Ms. C.L. Sprovieri also ends on the same date, the Administrative Committee of the School decided to try an experiment during the coming two years in spreading administrative responsibilities among as many faculty members as might be needed. Thus, when the Librarian, Ms. Anne Burk, decided in April to resign from her position to return to the United States, a faculty member, Professor Gerald Prodrick, was appointed part-time to the position on her advice and in consultation with the library staff. Professor Sam Neill was appointed Continuing Education Officer, and Professor Emeritus Laura Colvin Publicity Officer, to begin their duties on July 1. Several other administrative positions will be created in the next six months. The position of Assistant Dean will be held open for two years while the decentralized administrative structure is tested. Professor Janette H. White has been appointed to succeed Professor Sprovieri as Assistant to the Dean. Both Professor Svenonius and Professor Sprovieri have given extraordinarily good service as administrators, and they will be sorely missed. But both are excellent teachers and the teaching program will benefit from their full-time attention to teaching and research.



### Research and Community or Professional Involvement

The increased activity in research among the faculty reported last year has continued unabated. Perhaps the strongest indication of sustained effort has been the awarding of research grants to faculty members. Professor Dolan was awarded \$3000 by the Department of Communications for his HODIDS project (Home Data/Information Service), Professor Craven \$4,200 by the National Research Council for implementation of NEPHIS, and Professor Cameron has received a Social Sciences and Humanities Research Council grant of \$13,434 for his project "French Canadian Contribution to a Western Hemisphere Short-Title Catalog of Books printed before 1801". Professor Fyfe was also awarded a Visiting Research Fellowship at the Institute for Advanced Study in the Humanities, at the University of Edinburgh for tenure January-April 1979. Professor Tague and Ph.D. student Gilles Deschatelets were awarded a grant of \$14,800 by the Canada Institute for Science and Technology Information for research into the role of the intermediary in on-line searching. Professor Tague is also evaluating the CACTIS system on an Information London grant of \$5000.

### The Library

The SLIS Library underwent many changes during the year under the capable leadership of Ms. Anne Burk and her successor, Professor Prodrick. Recarpeting and physical rearrangement in May was a visual indication of much less obvious changes.

#### Personnel:

Mary Innis became full-time ABC Lab coordinator in July 1977. Jean Janes became part-time Special Collections librarian in September and transferred to technical services when Louis Mirando was appointed full-time Special Collections librarian on April 1. Myra Mossman was employed part-time for the fall and winter terms to help overcome the backlog of work in binding SLIS materials. Lynn Ambedian-Gray became temporary Circulation Assistant in July when Peter Noyes went on sick leave, and was made permanent in November when Peter was unable to resume his duties.

#### Services:

The catalog of the SLIS working collection was converted from book form (output from line printer) to microfiche form (COM - computer output on microfiche) in August, and a temporary COM catalog for pre-1801 books in Special Collections was produced at the end of May. Updates of the COM catalog for the working collection are produced at the beginning of each term; a new version of the Special Collections



library and information profession, may have a profound influence on the future development of the M.L.S. program. The research enrichment option will also be launched in the coming year, but continuance of this program will depend on whether faculty and staff can attract research funds to support it.

We expect our first graduates of the Ph.D. program to appear in the coming year or two, and a concomitant growth in research activity. And we look forward to a continuance of our well-established MLS program.



REPORT OF THE DEAN  
FACULTY OF MEDICINE

Dr. D. Bocking

INTRODUCTION

The Faculty of Medicine welcomed the appointment of Dr. G.E. Connell as President and Vice-Chancellor effective July 1st, 1977, and participated in the Special Installation ceremony for the President on October 1st, 1977. Dr. D. Bocking, Dean of Medicine, accepted the appointment as Vice-President Health Sciences effective July 1st, 1977, and continued as Acting Dean of Medicine pending the appointment of his successor. The Faculty of Medicine welcomed the appointment of Dr. Martin J. Hollenberg as Dean of Medicine effective August 1st, 1978. Dr. Hollenberg was a member of faculty in the Department of Anatomy from 1965 to 1971 when he accepted an appointment at the University of British Columbia. Since 1975, he has been Head of the Division of Morphological Sciences at the University of Calgary.

The Faculty of Medicine also welcomed the appointment of Dr. Beverlee Cox as Dean of Nursing effective June 1st, 1978.

In preparation for the next accreditation visit of the medical school in March 1979, the Executive Committee of the Council of the Faculty of Medicine decided in May 1978 to participate in the Institutional Self-Study Analysis which is recommended by the Liaison Committee on Medical Education. A Task Force and Steering Committee were appointed to review the data base material to be prepared for the accreditation visit and conduct an evaluation of all aspects of the Faculty of Medicine. This study will complement the University's five-year planning process.

During the first half of 1978, the Faculty of Medicine was involved in several events in recognition of the Centenary of The University of Western Ontario. In November 1977, Professor Murray L. Barr's book, *A Century of Medicine at Western*, was published. On March 9th, 1978, a special symposium on Medical Genetics was held. The guest speakers included Dr. Charles Scriver, who gave one of the Academic Festival Lectures. On March 11th and 12th, 1978, most of the Departments and Programs in the Faculty of Medicine participated in a Health Sciences Open House. On May 8th and 9th, 1978, the annual meeting of the Council of Deans of Medicine of Canadian Universities was held at Western. On Saturday, May 27th, 1978, a Special Convocation in recognition of the Faculty of Medicine's Centenary was held. Honorary LL.D's were conferred on Dr. R.B. Holmes, Dean of Medicine at the University of Toronto, and Dr. A.D. McLachlin, Professor of Surgery, and an Honorary D.Sc. on Professor C.F. Robinow of the Department of Microbiology and Immunology. At the same Convocation, Professors M.L. Barr, M.A. Hidayet, and G.E. Hobbs were recognized as Professors Emeriti. Representatives of the other Canadian Medical Schools were in attendance at the Convocation, as well as representatives of The Royal College of Physicians and Surgeons of Canada, the College of Family Physicians of Canada, the Medical Research Council, the Canadian Medical Association, Ontario Medical Association, the London Academy of Medicine, and other national scientific organizations.



April 1978. Professor M.R. Roach served as an External Examiner in Physics at the Universiti Sains Malaysia in March 1978.

Among honors and awards to members of faculty, the following are especially noteworthy. The Queen Elizabeth II Silver Jubilee Medal was awarded to the following members of faculty - H.J.M. Barnett, R.J. Christie, R.W. Gunton, B.L. Hession, A.L. Linton, I.R. McWhinney, R.G.E. Murray, John Robinson, and A.C. Webster. Dr. N.R. Sinclair held an MRC Research Professorship from July 1, 1977 to June 30th, 1978. MRC Scholarships have been awarded to Dr. John Challis (Obstetrics and Gynaecology, and Physiology) for a three-year term effective July 1st, 1978; and to Dr. T. Vilis (Ophthalmology, Clinical Neurological Sciences, and Physiology) for a five-year term effective July 1st, 1978. Ontario Ministry of Health Research Scientist Awards have been made to Dr. N.J. Birkett (Medicine, and Epidemiology and Preventive Medicine) for a three-year term effective July 1st, 1978; and to Dr. T.J. McDonald (Medicine and Biochemistry) effective October 1st, 1978 for a three-year term.

Dr. M.L. Barr received the J.C.B. Grant Award as an outstanding senior anatomist from the Canadian Association of Anatomists at their annual meeting in June 1978. Professor F.L. Holmes was awarded the William H. Welch medal by the American Association for the History of Medicine for his book *Claude Bernard of Animal Chemistry*.

Faculty members served on many Departmental, Program, Faculty and University Committees. They also served as consultants to, and as members of, many local and district committees in the health field and as referees for, and members of, grants committees of provincial and federal research councils and committees and various voluntary health organizations. Dr. E.R. Ecclestone served as the faculty representative to the Association of Canadian Medical Colleges. Dr. R.W. Gunton was appointed as the representative of The University of Western Ontario on the Medical Council of Canada to complete the term of Dr. J.A. Collins. Dr. Gunton also served as Governor for Ontario of the American College of Physicians. Dr. D.E. Zarfes was appointed as the University representative to the College of Physicians and Surgeons of Ontario replacing Dr. D.C. Bondy, who will complete a four-year term in September 1978. Dr. Bondy has served as Chairman of the Medical Review Committee of the College. Dr. J.F. Ballantyne has served as Chairman of the Ethics Committee of the College of Physicians and Surgeons of Ontario. Dr. L.S. Valberg continued as a member of the Executive Committee and the Council of the Medical Research Council. Dr. O.H. Warwick was appointed Chairman of the Committee on Human Resources of the Ontario Council of Health.

In addition, faculty members served as officers and members of various local, provincial, and national committees and councils of professional organizations and societies. Dr. D.E. Aikenhead was elected President of the London and District Academy of Medicine. Dr. C.G. Drake was elected President of the World Federation of Neurosurgical Societies for a four-year term. Dr. D.A. McCourtie was elected President of the Canadian Society of Allergy and Clinical Immunology. Professor John Robinson was elected President of the Canadian Society of Microbiologists. Dr. A.C. Wallace was appointed President of the National Cancer Institute of Canada for a two year term. Faculty members



honor Professor A.C. Burton. The Alan C. Burton prize in Biophysics was established in his honor and is to be awarded to the student with the highest standing in the Honors B.Sc. program in Biophysics.

In September 1977, the Department of Family Medicine accepted two full-time and four part-time students into its new Master's Degree program in Family Medicine. Construction started in the spring of 1978 on the new Byron Health Centre which is affiliated with Victoria Hospital and received major funding from a Kellogg Foundation grant. It is expected that the Centre will open in September 1978, and will provide an additional facility for undergraduate and postgraduate training in Family Medicine.

Dr. R.A. Richardson served as Acting Chairman of the Department of the History of Medicine and Science during 1977-78. During the year, the Hannah Chair in the Department was reviewed by a special committee appointed by the Hannah Institute and the University. The committee recommended that the Institute continue to fund the Chair, and expressed satisfaction with the present direction of the Chair.

Dr. Dale Palko was appointed Chief of Emergency Medicine at St. Joseph's Hospital effective March 1st, 1978 for a three-year term.

Dr. C.F. Bolton was reappointed Chief of Clinical Neurological Sciences at Victoria Hospital.

The Department of Ophthalmology, through the J.V.V. Nicholls Memorial Fund, established the U.W.O. Ophthalmology Resident Academic Enrichment Fund.

In May 1978, Dr. F.J. Rounthwaite resigned as Head of the Department of Otolaryngology and Chief of Otolaryngology at University Hospital, having served as a member of faculty since 1958. Dr. H. Heeneman was appointed Chairman of the Department of Otolaryngology for the period May 1st, 1978 to June 30th, 1983. Dr. R.G. Greenway has been appointed Chief of Otolaryngology at University Hospital.

Dr. A.C. McDonald was appointed Chief of Diagnostic Radiology at Victoria Hospital for a five-year term effective July 1st, 1978, succeeding Dr. E.E. Johnston. Dr. L. Reese was reappointed Chief of Nuclear Medicine at St. Joseph's Hospital for a five-year term.

#### PROGRAMS

Dr. J.L. Stouffer was reappointed Director of the Program in Communicative Disorders for a three-year term effective July 1st, 1977. In September 1977, the Program admitted 25 students into the second year of the undergraduate program. The graduate enrolment increased to 30 full-time students.

Professor M.F. Trider resigned as Director of the Program in Occupational Therapy effective May 7th, 1978. Mr. S. Trujillo was appointed Acting Director of the Program effective May 8th, 1978. In September 1977, the Program admitted



## EDUCATION

The report of the accreditation visit which reviewed the fourth year of the new curriculum in May 1977 was received. The Review Team did not suggest any major changes. During the year, some modifications were made to the fourth year of the new curriculum and received the approbation of students and faculty. A preliminary report on the evaluation of the new curriculum was presented by the Curriculum Evaluation Committee at the December 1977 meeting of the Council of the Faculty of Medicine. During the year, the Academic Policy Committee, the Curriculum Implementation Committee, and the Hippocratic Council continued to review the new curriculum bringing forward various proposals for revisions.

In September 1977, 104 students were admitted to first year Medicine from a pool of 1831 applicants. The entering class comprised 27% females. In September 1977, the Council of the Faculty of Medicine appointed three members-at-large as members of the Admissions Committee - Mr. E. Cherniak (a lawyer), Professor J.H. Howard (Business Administration), and Dr. G. Gibson (a family physician in Cambridge).

During the year, Basic Life Support training was provided for medical and other health science students under the leadership of Dr. A.C. Webster.

In November 1977, a *Nutrition Group* was formed bringing together teachers and those involved in research in the field of nutrition.

In May 1978, a two-day visit was arranged for a Resource Team provided by the Institute on Human Values in Medicine. This four-man team met with faculty members from the Departments and Programs in the Faculty of Medicine, Law, Nursing, and the Department of Philosophy, to discuss and evaluate the programs offered at the University in the field of human values.

The Northern Nurse Training Program, jointly sponsored by the Faculty of Nursing and the Faculty of Medicine, completed its last course in the spring of 1978. The Federal Ministry of Indian and Northern Services has decided to phase out its program in this area.

The Committee on Postgraduate Education developed mechanisms for internal review and evaluation for each of the residency programs. 390 internes and residents were registered with the Office of Postgraduate Education for 1977-78. The Royal College of Physicians and Surgeons of Canada granted full approval for the specialty training programs in Anatomical Pathology, Medical Biochemistry, Medical Microbiology, and Cardiovascular and Thoracic Surgery, and provisional approval for the program in General Pathology.

During the year, the Program in Continuing Medical Education arranged many refresher days and short courses in collaboration with the various Departments and Programs. The Department of Anaesthesia conducted a three-day refresher course and also continued to provide a six-month training program for General Practitioner Anaesthetists.

Dr. T.G. McGhie, Assistant Dean - Continuing Education, was appointed to the



Dr. H.J.M. Barnett, in association with Dr. David Sackett of McMaster University, and colleagues, completed an MRC supported Multi-Centre Clinical Trial on the Effects of Platelet Altering Drugs on Recent Recurrent Presumed Cerebral Emboli of Arterial Origin. The National Institutes of Health also awarded a major five-year grant in the amount of \$4.4 million to the Department of Clinical Neurological Sciences to conduct a Multi-Centre International Cooperative Study to Determine the Efficacy of Extracranial - Intracranial Anastomoses in the Prevention of Stroke. This research program is under the direction of Dr. H.J.M. Barnett, Dr. S.J. Peerless, and associates.

In July 1977, Professor J.R. Turner of the Department of Sociology was appointed Director of the Health Care Research Unit. Dr. Turner holds a joint appointment in the Department of Epidemiology and Preventive Medicine.

The Departments of Biochemistry, Medicine, Pharmacology, and Physiology have collaborated in the establishment of a gastrointestinal research group within the Faculty.

The Departments of Ophthalmology, Anatomy, Biochemistry, Physics, and Physiology have also collaborated in the development of an Eye Research Group for the advancement of eye research.

#### ETHICS

On October 20th to 30th, 1977, the Faculty of Medicine collaborated with the Department of Philosophy and the Faculty of Law in sponsoring a Colloquium on Biomedical Ethics. The guest speakers included Dr. D. Callahan of the Hastings Institute, Dr. E. Pellegrino of Yale University, and Dr. David Roy of Montreal.

The Faculty of Medicine has also welcomed the proposal for the establishment of a Centre for Ethics and Human Values by Westminster College in association with The University of Western Ontario. Dr. D. Bocking has been a member of the Planning Group for this Centre.

#### SERVICE

The Section of Geriatric Medicine of the Department of Medicine has presented a proposal for a program to provide improved coordination of Geriatric Services in London. This proposal was approved by the Ministry of Health, but has not yet been funded. The Department of Psychiatry has developed a new out-patient day care service at University Hospital. The Department of Psychiatry has also cooperated with the Sarnia General Hospital in making possible two affiliated teaching appointments in the Psychiatric Unit of that hospital.

The Ontario Ministry of Health has approved the establishment of a Regional Medical Genetics Service for the London Health Sciences Complex. Dr. H.C. Soltan is the Director of the Service and has been a member of the Provincial Standing Advisory Committee on Genetics Services. The first stage of funding for the Service provides \$50,000 to help cover the cost of a Genetics



The Arthritis Society of Canada approved the designation of a Westminster Campus Division of The University of Western Ontario Rheumatic Diseases Unit. This Unit will be under the direction of Dr. T.F. Disney and will complement the Unit at University Hospital.

The research programs at the London Psychiatric Hospital have undergone increased activity under the leadership of Dr. Harold Merskey.

#### BUILDING PROGRAM

On the recommendation of the Health Sciences Sector Planning Committee, the Senate Subcommittee on Space and Alterations approved several renovation projects in the Health Sciences Centre. The existing study room in the Kresge Building has been assigned to the Department of Family Medicine for its graduate program. An additional small area in the Kresge Building has been assigned to the Department of Epidemiology and Preventive Medicine in order to provide space for faculty of that department moving out of University Hospital. A new student study area is assigned in the lower, lower, ground floor of the Health Sciences Addition. In this area, there will also be room for a Health Sciences Student Lounge. The study room M138 has been assigned to the Department of Biophysics for office and laboratory space. An unallocated room on the lower, lower, ground floor of the Health Sciences Addition has been assigned to the Department of the History of Medicine and Science to house the Murray Collection of books which has been donated to the University by Professor R.G.E. Murray, and includes a large library of his late father, Professor E.G. Murray.

#### PROVINCIAL AND NATIONAL ORGANIZATIONS

The Faculty of Medicine continued to be actively involved with the Association of Canadian Medical Colleges and the Council of Ontario Faculties of Medicine. Dr. J.E. Boone served as Academic Colleague on the Council of Ontario Faculties of Medicine and has been Chairman of the Postgraduate Manpower Committee of COFM. Dr. R.N. Green replaced Dr. R.W. Gunton on the Postgraduate Medical Consultation Committee which involves the Ontario Council of Administrators of Teaching Hospitals, the Professional Association of Internes and Residents of Ontario, and representatives of the Ministry of Health. COFM has continued to be concerned with Clinical Education Funding, Postgraduate Manpower, and Medical Manpower, and has also been involved with the Council of Ontario Universities Study on Admissions Policies and Practices in Ontario Medical Schools.

#### INTERNATIONAL PROGRAMS

Dr. J.S. McKim continued to coordinate the arrangements for overseas electives for undergraduate students in developing countries. These include placements in St. Lucia, St. Vincent, Africa, and India.

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## Report of the Dean

## Faculty of Music

Professor Hugh J. McLean

The Faculty began the academic year with a smaller first-year enrolment than previously. Discussions which followed suggested some important changes in admission procedures, which, as the year closes, seem to have been opportune and effective. The distribution of students within the various programs shows a healthy growth in the number of Performance (Applied Music) majors. The decline from last year in the number of students in the Honors Music Education program is almost exactly offset by an increase in those in its three-year counterpart, the Bachelor of Musical Arts, no doubt a direct reflection of academic considerations within the Faculty.

The challenges that face the Faculty are in part common to the rest of the University and, in the case of the proposed Concert Hall, unique. After a long period of continuous growth and, let it be said, expanding budgets, it is very difficult to provide for a more-or-less steady enrolment with ever diminishing financial resources. On the other hand it is perhaps easier for a young Faculty to make such adjustments than other more long-established sectors of the academic community. In this climate of constraint the urgent need for a new Concert Hall, detailed in the *Report* from the Applied Music Department, seems a formidable goal, one which can probably only be attained by the support of the University as a whole and donors without.

*Enrolment*Academic Year 1977-78

Freshmen:		145
Upperclassmen:	B.Mus. (Applied Music)	52
	(Music Education)	135
	(Music History)	14
	(Theory and Composition)	<u>15</u>
		216
	Bachelor of Musical Arts	134
	B.A. (Honors Music)	5
	(Music)	11
Part-time, special students and others:		<u>31</u>
	TOTAL UNDERGRADUATE ENROLMENT	542
		==
	(1976-77	[575])







Martha Gomez de Lluís - Canada Council Scholarship for Foreign Nationals  
 Kenneth Hull - Ontario Graduate Scholarship  
 Gloria-Jean Nagy - London Music Foundation Scholarship  
 Debra Ollickala - Ontario Graduate Scholarship  
 Robert Ollickala - Ontario Graduate Scholarship  
 Reynold Regehr - Canada Council Arts Award  
 Susan Stephenson - New Brunswick Arts Bursary

### *Departmental Reports*

#### Applied Music Department

The effects of stable population, declining birth-rate, and economic restraints in Canada affected the Faculty of Music in 1977-78 in the same manner that it affected other universities in Ontario. The general decline in student enrolment was, however, countered by a significant shift in student objectives and expectations, a shift which may provide the necessary balance to stabilize the Faculty of Music at its present size. At the same time that students were apparently becoming more apprehensive about career goals in academic and professional training programs generally, the growing excellence of the Performance program in the Faculty of Music, and the high quality of our faculty in the Applied Music Department attracted more students than ever as Performance majors. Excluding graduate students, there were thirty-four Performance majors in 1975-76, sixty in 1976-77 and eighty-four during the past academic year. In the same manner that the Music Education Department has attracted a very large number of students to the Faculty because of its dominant participation in music education programs in Canada, present trends indicate that the Applied Music Department may in the future attract an equally large number of students because of its growing excellence and reputation.

The Department has benefitted greatly from an Academic Development Fund grant to set up a Stringed Instrument Bank, the first of its kind in Canada. Together with a matching grant from the Richard and Jean Ivey Fund a total of \$110,000 will provide gifted students with the loan of fine stringed instruments. Two 18th- and early 19th-century violins and one 18th-century viola have already been purchased. Negotiations are continuing for yet another matching grant from WINTARIO under the terms of its Portable Arts Equipment program.

In encouraging student performance and providing students with the opportunity to hear many of our leading artists on campus, the Applied Music Department has a distinct advantage over many similar departments in other universities in that it has the full cooperation and support of the other departments within the Faculty. The effect of this has been to put a severe strain on our performance facilities, and the acute disadvantage of not having a concert hall for our large performing ensembles is a very restrictive factor in our ensemble training program. Nevertheless there were 199 student performances during the past year in circumstances which varied from individual and small



Performance Major recitals, there were a total of 130 student recitals on campus. Our regular faculty performed 26 full-length recitals in the Recital Hall and visiting artists included Ferenc Gergely, Josef Serafin and Frederick Rimmer, organists, Lorand Fenyves and Patricia Parr in an exchange program from the University of Toronto, oboeist Senia Trubashnik, the Humber Jazz Ensemble from Humber College, and the McGill Wind Ensemble. The Norwegian Wind Quintet, in residence for one month, performed a number of exciting concerts for our students, and the special series of Sunday evening concerts brought to our campus the Strasbourg Percussion Ensemble, the Finnish organist Matti Rindell, the Vancouver Chamber Choir and the Purcell String Quartet.

Although our ensembles are most directly related to the String, Wind and Voice Divisions within the Applied Music Department, the Keyboard Division remains by far the largest and the most heavily involved in Recital programs. Keyboard coordinator Clifford von Kuster undertook research in piano repertoire for French pianists M. Ciampi and D. Rivière. He also adjudicated for the Windsor Festival and served as a judge in the Eckhardt-Gramatté Competition. John-Paul Bracey gave recitals and master classes at Adrien College, Michigan and at the University of Michigan as well as adjudicated in festivals in Toronto, Sarnia and Grand Falls. Damiana Bratuz gave summer lectures for the Western Conservatory of Music, performed in many recitals and is continuing her Bartok research and research for Mediacult in career possibilities in music. Organist Larry Cortner completed his doctorate at the University of Rochester, and John McIntosh gave at least nine organ recitals during the year and was music director and conductor for the Ceremonial Brass which performed at the Spring Convocations. Hugh McLean continued his performance career as one of Canada's most active organists, performing both in recital and in concerto for the opening of Ottawa's National Arts Centre Orchestra's season. On the piano he accompanied Alvin Reimer in a lieder recital at Brock University and Ginette Duplessis in a Hugo Wolf recital for the CBC. He was elected a Fellow of the Royal Society of Canada, the first Canadian musician to be thus honoured. He continues as Vice-President of the Canadian Music Council. Ronald Turini joined our Faculty as a member of *Quartet Canada*, and apart from the phenomenal concert success with the *Quartet*, Professor Turini continues his solo career with many recitals and concert appearances, such as his recent success with the National Arts Centre Orchestra.

Robert Skelton, coordinator of the String Division, appeared as soloist with the U.W.O. Chamber Orchestra. He continued as a very active adjudicator, and taught at the Toronto Summer School of Music and the New Brunswick Music Camp. Ralph Aldrich performed in a number of recitals in London, Banff, Windsor, Woodstock and St. Thomas. He also continued as conductor of the Western Ontario Conservatory Chamber Orchestra and directed the Viola Institute in Banff. The number of recital and solo appearances given by cellist Tsuyoshi Tsutsumi are too numerous to be given in a report of this nature, but our University continues to benefit greatly from the prestige of this fine artist, and his involvement with *Quartet Canada* was undoubtedly responsible in a large measure for the *Quartet's* coming to the University. Steven Staryk and Gerald Stanick, who also came as members



During the past year, the Applied Music Department completed its review of courses and programs. A number of changes have been proposed, including an alternative Performance degree for students who are not in the Honors program, and a three-year Diploma for exceptionally-gifted young musicians. When these and other changes are fully implemented, the University of Western Ontario will be able to provide the variety and the quality of applied music instruction which should guarantee its position amongst the leading music schools in North America.

#### Music Education Department

The Music Education Department enjoyed another busy but exciting year of professional activities and accomplishments reflecting the wide range of special interests among its diverse faculty. The tempo of activities in the graduate division showed a marked increase during the 1977 summer session and the visit of two distinguished appraisers during the winter session indicates that the Department is continuing to develop its graduate work in anticipation of a doctoral program in music education. At the undergraduate level, greater emphasis was given to the use of eurhythmics in music education at the elementary school level.

The Music Education Research Symposium organized again by Professor Harold Fiske, featured a number of leading researchers in the psychology of music. This bi-annual event is providing a much needed forum for music educators in North America and, at the same time, is drawing attention to Western's development as a major research institution in Canada. Western was represented with papers by Dr. Harold Fiske, Dr. Brian Trevor, and Robert Blackwell, one of our own graduate students. Other special events this year also included two lectures by Dr. Keith Swanwick of London, England.

A great deal of time and energy this year was directed toward planning and organizing the XIII Congress of the International Society for Music in Education to be held in August 1978. Although most members of the Department have been involved with this gigantic undertaking, the major responsibility has fallen upon Professors Donald McKellar and Kenneth Bray. It is a great honor for Western to host the first ISME Congress to be held in Canada and it will mark yet another significant event in our record of contributions and service to music education.

As a prelude to the ISME Congress, the Department has organized an advanced Kodaly course, the first of its kind to be offered in Canada. With the assistance of a Canada Council grant, the distinguished faculty will include the Hungarian ethnomusicologist, Laszlo Vikar.

There is an increasing demand for individual members of the Department to serve as adjudicators, performers, clinicians and executive members of professional associations. In providing such leadership, faculty members continue to keep Western in the forefront of musical events, thereby enhancing the reputation and prestige of the Faculty of Music as one of the major music schools in Canada.



Gordon Greene: "Montserrat MS 823: A New Source of Late-Medieval Polyphony," read at Wilfrid Laurier University (Special Lecture).

Roger Gustafson: "A Comparison of J. M. Hauer's Trope Systems," read at Michigan State University (Special Lecture).

George Proctor: "Neoclassicism and Neoromanticism in Canadian Music," read at Queen's University (Seminar-lecture); "Recent Trends in Canadian Music," read at Queen's University (Public lecture).

Jeffrey Stokes: "Beethoven to Begin: The Standard Repertoire from the First Lesson." read at the meeting of the Canadian Association of University Schools of Music.

#### Guest Lecturers

The following presentations were given under the aegis of the Music History Department in the last year.

Dimitri Conomos (University of British Columbia) "Changing Conceptions of Byzantine 'Melos'"

Horace Fitzpatrick, (London, England) Lecture-demonstration, "The Evolution of the Orchestral Horn in the Austro-Hungarian Empire"

William Mahrt (Stanford University), "Modality and Modal Structure in the Works of Guillaume Dufay"

#### Department of Theory and Composition

During the 1977-78 academic year students and faculty had the opportunity to meet, work with, and attend lectures and presentations by an array of distinguished composers and theorists. Five visitors--Larry Austin, R. Murray Schafer, Leon Kirchner, Edward T. Cone and Peter Schickele--fulfilled week-long residencies. In residence six weeks (co-sponsored by the Canada Council) was Michio Mamiya; John Cage led a workshop/open rehearsal/discussion.

A new course, M067, Music of the World, designed as an elective for students from faculties other than Music, was offered for the first time, (Evening Summer School). This course will be offered in regular sessions beginning in September 1978.

This year's two New Music at Western concerts included, in addition to works of Mamiya, Mather and Webern, the following works of resident faculty:

- |               |   |
|---------------|---|
| Jean Anderson | - <i>Rondo</i> (viola, piano)                   |
| Jack Behrens  | - <i>Music from Wavertree</i> (clarinet, piano) |
|               | - <i>The Feast of Life</i> (piano)              |



- Peter Paul Koprowski - *Sonata for Cello Solo* - CBC broadcast
- *Five Pieces for Clarinet and Piano* - CBC broadcast
- *Nocturne* (voice, chamber ensemble) - CBC broadcast
- *In Memoriam Karol Szymanowski* - London Symphony Orchestra
- *Images* (violin) - University of Western Ontario and 12 recitals throughout Canada
- Jack Behrens - *A Greeting* (chamber orchestra) - University of Western Ontario

#### Commissions and Awards:

- Peter Paul Koprowski - Commission by Hugh McLean for "Concerto for Organ and Orchestra" (Canada Council)
- CBC Commission for the Canadian Electronic Ensemble
- Gerhard Wuensch - Commission by University of Western Ontario for the cantata "Laus Sapientiae" (Canada Council)

#### Residency:

- Jack Behrens - Composer's Cottage, Wolf Trap Foundation, Vienna, VA April 1978

Interviews with Gerhard Wuensch and Peter Paul Koprowski appeared in MUSICANADA; Gerhard Wuensch served as an awards adjudicator for the Ontario Arts Council. Peter Paul Koprowski was elected Vice-President, Alan Heard, Secretary of the Canadian League of Composers. Peter Clements is Registrar and member of the Committee planning UNESCO workshops in computer music for the summer of 1978 in Europe and North America; he also served as adjudicator at the Kitchener-Waterloo Music Festival and at St. Joseph's School of Music, London.



REPORT OF THE DEAN  
Faculty of Nursing  
Professor Beverlee Cox

During the 1977-78 academic year, the Faculty of Nursing maintained an active role in the community, province, and nation through involvement of its members in professional and academic activities.

Within the University there were numerous activities associated with the Faculty's participation in the Centennial Year. One of the highlights of the year came at Convocation on June 3, 1978, when Miss Dorothy Hall was awarded an honorary doctor of laws degree. Miss Hall, Regional Officer for Nursing in the Europe World Health Organization, is a distinguished alumnus and her presence on campus was of great interest to members of the nursing community. Miss Hall delivered a public lecture during her visit on nursing care services in Europe.

Another major event of the Centennial Year was hosting the Canadian University Schools of Nursing (CAUSN) conference during the Learned Societies in June, 1978. Many noted nursing educators from across the country gathered on Western's campus to discuss issues related to conceptual frameworks for nursing education.

The Faculty experienced a major change in administration with the resignation of Dr. M. J. Flaherty as Dean in June, 1977. Dr. Flaherty has assumed her new position as Principal Nursing Officer, Health and Welfare Canada. Her substantial contribution to the University and Faculty of Nursing is recognized and her presence in the years to come will be missed. Professor Dorothy Hibbert served as Acting Dean until June 1, 1978, the arrival date of Dr. Beverlee Cox, who has assumed the deanship. Dean Cox comes to the faculty from the University of British Columbia.

Members of the Faculty of Nursing would like to express their gratitude to Dr. George Connell for his interest and support since his arrival in July of 1977. In addition, they are particularly mindful of the continued support and assistance provided by Dr. Douglas Bocking. The Faculty offers congratulations to Dr. Bocking on his appointment as Vice-President, Health Sciences. The Faculty also welcomes Dr. Martin Hollenberg in his appointment as Dean of Medicine and looks forward to working closely with him in the years to come. The Faculty regrets the departure of Dr. Grant Reuber who has offered continued assistance to the Faculty in his role as Vice-President, Academic.

#### EDUCATION

The Faculty of Nursing continues to receive a multitude of applications for its undergraduate programs. Recruitment activities were given priority in order to publicize the programs and to obtain the best qualified applicants. The results were encouraging:- 73 students were admitted to Year I of the basic undergraduate program and 31 students were admitted to begin studies in the undergraduate program for registered nurses. Applications received for the graduate program have resulted in a 15% full and part-time increase in enrollment for the fall of 1977.



Activity in Retarded Children at Home and in an Institution".

Professor Sandra Truesdell is assisting Dr. Tom Wood following three patients with "Chronic Obstructive Lung Disease".

Dr. Beverlee Cox recently concluded a research project studying patient records in psychiatric settings in which she attempted to trace problem identification from admission to discharge. The results of this project will be incorporated in a larger study attempting to construct a taxonomy of patient problems that is non-medically based.

#### Interdisciplinary Exchange

Members of the Faculty engaged with colleagues at the University in a number of interdisciplinary endeavours. Professor Nafees Aidroos was field work supervisor for two psychology students assigned to the Salvation Army Children's Village. Professor Lillian Bramwell and Professor Jessie Mantle taught several classes in a course "Teaching and Learning in Family Medicine" this year. Professor Jean Forrest gave classes on the use of community resources in the Physical Therapy Department. Professor Jessie Mantle assisted with the workshop "Teaching and Learning" in September, 1977, organized for Faculty by Professor Thomas Guinsburg, Assistant Provost. Professor Sandra Truesdell has been actively involved in teaching Cardio Pulmonary Resuscitation to Health Science students and to faculty.

#### Professional Activities

Professor Nafees Aidroos and Professor Merelyn Letson assisted teachers at Matthew Hall School to develop a course in "Family Education" for Grades VII and VIII.

Professor Irmajean Bajnok presented a paper on conceptual frameworks at a meeting of Canadian Association of University Schools of Nursing in Montreal, October 3, 1977. She also conducted a two day workshop on "Nursing Process" in Scarborough, November 10 and 11, 1977, and assisted with the Diagnostic Workshop at The University of Toronto, November 24 and 25, 1977. In addition, Professor Bajnok presented a paper on "Fitness and Fitting In" at the annual conference of Canadian University Nursing Students Association on February 3, 1978, and a paper on the "Roy Model Translated to Tools for Practice" at Alverno College, Milwaukee in March, 1978.

Professor Lillian Bramwell conducted a series of ten weekly classes through Part-Time and Continuing Education on "Interpersonal Communication in Nursing", in Spring, 1978.

Professor Jean Forrest has been consultant and teacher to the nursing staff at the Middlesex-London District Health Unit on a regular weekly basis. She provided leadership at a workshop in Kent Chatham Health Unit. The topic was "Family Assessment" October, 1977. She was the principal speaker and a group leader at a workshop entitled "Role of Primary Care Worker" at the University of



The University of Western Ontario, June, 1978; Douglas College, Vancouver, B.C., April, 1978; Northern College, Timmons, December, 1977; and at Charlottetown, P.E.I., July, 1977.

Dr. Beverlee Cox addressed the Annual Meeting of the Saskatchewan Registered Nurses Association on "Nursing Research Future Decisions" in May, 1978. Dr. Cox also participated in an interdisciplinary communications conference at the University of Windsor in May, 1978. The purpose of the conference was to found a Canadian Association of Communications Scholars. In June, 1978, Dr. Cox presented a research paper during the Learned Societies on "Communication Systems Between Patients and Therapists" to the Canadian Association of University Schools of Nursing. Dr. Cox also addressed the Canadian Nurses Association at its Biennial Meeting in Toronto in June, 1978, on "Ethics of Health Care Research".

### Organizations

Members of the faculty maintained membership in a wide range of professional organizations.

Professor Beverly Ashton has been chairperson for the "Provincial Advisory Committee on Nursing Education".

Professor Irmajean Bajnok is President of The Registered Nurses Association of Ontario.

Professor Barbara Brown is Secretary to The Canadian Association of University Schools of Nursing.

Professor Louise S. Brown is a member of "Credentials Review Committee" for Public Health Nursing in Ontario.

Professor Edna Oudot is the R.N.A.O. representative to the Basic Nursing Programs Advisory Committee of The Health Sciences Division, Humber College, Toronto. She is chairperson of the ad hoc committee to promote Canadian Nurse Foundation membership. She is a member of an "Advisory Committee to Review Public Health Services in Ontario".

Professor Sandra Truesdell is Chairperson of The Rehabilitation Committee of The Ontario Lung Association, and also Chairperson of the Nurses Section on Respiratory Care.

The Faculty records the resignation of the following members: Dorothy Hibbert, Acting Dean, Beverly Ashton, Kate Birch, Carroll Cook, Lorraine Melchior, Donna Mossman and Nancy Watters. The contributions of all will be missed. A special debt of gratitude is due Professor Hibbert who came out of retirement to assume the duties of the acting deanship.

### APPRECIATION

The Faculty of Nursing is indebted to the Faculties of Arts, Sciences, Social



## FACULTY OF PART-TIME AND CONTINUING EDUCATION

DR. A. M. ARMITT

The Faculty of Part-Time and Continuing Education has now completed its first year as Western's newest Faculty. There have been many changes since this Faculty was created from the Department of Summer School and Extension on 1 July 1977.

As part of the new Faculty, three Divisions came into being: Part-Time Studies, Personal and Professional Development and Language Training. The past year has been a busy one for the Faculty: senior positions have had to be staffed to create three distinct divisions from a program which was formerly managed by the Director of Summer School and Extension with the aid of one Assistant Director. This has been accomplished fairly smoothly despite the difficulties of new staff having to assess their roles within the Faculty. At the same time, the Faculty of Part-Time and Continuing Education has been working closely with other Faculties and Departments across the University in an attempt to broaden course offerings to meet the needs of a large number of part-time students from increasingly varied backgrounds and with widely divergent interests and requirements.

Appointments

In September, 1977, Dr. D.B. Hayden was appointed Director of Part-Time Studies. As Director he is responsible for all credit courses offered by the Faculty of Part-Time and Continuing Education whether through the correspondence program, at the nineteen extension centres (including Saturday morning classes on campus) or at one of our summer schools.

In November, 1977, Ms. M.A. Garrigue was appointed as Assistant to the Director for Personal and Professional Development, and in June of 1978 she was promoted to Assistant Director. The Executive Committee of the Faculty has decided to leave the appointment of a Director in abeyance for at least one year. The Assistant Director will assume the responsibilities of the Director.

On 1 May 1978, Dr. M.E. Watts became Director of Language Training and assumed responsibility for language programs offered by the Faculty, including French Immersion courses and the English Language Summer School held on campus each summer. The Trois-Pistoles Summer School also becomes part of this division although it will continue to have a director who will reside in Trois-Pistoles during each session.

Part-Time Studies

The Faculty offered credit courses at nineteen off-campus centres: Brantford, Chatham, Clinton, Goderich, Hanover, Kincardine, Mount Forest, Owen Sound, St. Thomas, Sarnia, Simcoe, Stratford, Strathroy, Thedford, Tillsonburg, Walkerton, as well as General Motors Diesel and the London Public Library in



## Summer School Registrations, 1977

<u>CENTRE</u>	<u>INTERSESSION</u>	<u>EVENING</u>	<u>DAY</u>
London .....	1924	1600	1944
Brantford .....		94	51
Chatham .....		22½	
Clinton .....		40	20
Kincardine .....		37	
Mount Forest .....		18	
Owen Sound .....	39		191
Sarnia .....	128	148½	71
Simcoe .....		79	
Theford .....	19		10
Walkerton .....	37½		
Woodstock .....		104	
Trois-Pistoles .....	103		213

A total of 198 credit courses were offered, with 4866 registrants providing 6577½ registrations

All out-of-town extension centres were visited by Part-Time and Continuing Education staff at least once during the academic year. These sessions give students an opportunity to discuss their programs with the Dean or with the Director of Part-Time Studies. It also gives the staff of the Faculty an opportunity to talk to the students, to learn their needs and to discuss possible future programs in the area. The off-campus sessions serve the dual function of giving extension students a personal contact with the University and giving the Faculty feedback on students' desires and requirements for future courses. This is particularly important at a time when other universities are beginning to develop extension programs in areas where Western already offers courses.

Teaching evaluations were introduced for the first time on a regular basis with the 1978 Intersession and, in general, were well received by both students and instructors. Evaluations will be done for Summer Evening classes and Summer Day classes and it is intended to have them carried out at all off-campus centres as well.

#### Correspondence Courses

In the Fall of 1977, 255 students registered in one or more of the 26 correspondence courses given, for a total of 295 registrations. There were two English courses given, four French, two Geography, four German, seven History, two Latin, two Philosophy, two Psychology and one Sociology. A



In addition to the Trois-Pistoles staff, there were eight instructors of French for the Spring Session and sixteen for the Summer Session. There were two instructors of English for the summer session. There were six workshop "animateurs", one animateur for the folk dancing, one for the choir, one for the theatre, one for the painting and the sixth for arts and crafts.

An elaborate program of cultural activities was organized such as films, plays and concerts. These activities were, for the most part, put on by the students themselves. Two major excursions were held, one of which was a weekend trip to Quebec City. Chantotheques were held once a week, and, at that time, 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 workshop groups put on a concert, the theatre group presented a play for the student body, staff and the townspeople at the end of the session. One play was bilingual, where English speaking students and French speaking students combined their efforts and put on an excellent comedy. In addition, the painting and arts and crafts workshop groups put on a display of the students' work.

During the summer of 1977, a French Immersion program was run in cooperation with the Faculty of Education. This consisted of four five-day total immersion sessions during which all participants lived in University residences for a "French only" week. A total of 83 registrations were received for the four sessions.

Two levels of Conversational French in the evenings and another during the afternoons were quite popular. Intensive French Conversation was again offered weekday mornings during the month of May at two levels, Intermediate and Advanced. At the request of the students, the Intermediate class was extended an additional two weeks.



TABLE III (cont'd)

Dance Courses	939	160
Gymnastic Clinic	200	
English Language Summer School	138	
French Immersion	83	
Oracy and Literacy	8	
Vocal Opera Workshop	24	
Workshop for Teachers of Music	102	
Computer Output Microfilms	46	
Workshops in Nursing	93	
2nd R Conference (in cooperation with Faculty of Education)	294	
Earth Science Workshop	20	



## FACULTY OF PHYSICAL EDUCATION

## Report of the Dean

PROFESSOR W.J. L'HEUREUX

The arrival of a new Dean of the Faculty coincided with that of our new President, Dr. George E. Connell, whom we are pleased to welcome to Western. It was warmly appropriate that Dr. D.C. Williams, retiring President, should be an honorary graduand along with Physical Education graduates at Spring Convocation.

During the summer of 1977, a task force worked out a new structure for the Faculty. Its most significant features were a new Executive Committee of 13 members responsible for academic and athletic policy, and a Management Committee of Dean, Assistant Dean, and Programme Chairmen responsible for budgets.

Of major concern to all four programmes was the enrolment decrease, which for Physical Education undergraduates was down 86 students from last year. Both the Intercollegiate Athletics and the Physical Recreation/Intramural programmes were hit hard by the shortfall in total student fees which had not been predicted with any accuracy in determining annual revenues for those programmes. Decreasing enrolments meant budget cuts and some programme reductions - a difficult task alleviated only by the diligence of the Administrative Officer, Mrs. Vonesh. As a consequence, recruitment and retention continue to be major goals for us all.

Faculty Changes

## Appointments

W.J.L'Heureux, to be Dean of the Faculty with a 5-year term.  
 J. Skinner, Professor  
 C. Hall, Assistant Professor  
 G.A. Wearing, Acting Chairman, Undergraduate Programme

## Promotions

G. Leyshon, to full Professor  
 C. Milne, to Associate Professor  
 P. Stothart, to Associate Professor  
 J. Gregory, to Assistant Professor

## Tenure

C. Milne  
 P. Stothart



The Women's Gymnastic team startled the O.W.I.A.A. (Provincial) meet by upsetting favored York University. It was a remarkable achievement for Coach Bonnie Bennett.

### Undergraduate Programme - G. A. Wearing

#### Student Enrolment

Total enrolment (full-time and part-time) for the academic year 1977-78 was down from 832 to 746 (full-time only) and a total of 72 active part-time students; breakdown as follows:

Year I (full-time)	290	Year I (part-time)	8
II       "	198	II       "	13
III      "	166	III      "	27
IV      "	<u>92</u>	IV      "	<u>24</u>
	746		72

#### Curriculum

The core programme has continued with a subsequent change proposed for next year. Both sections will be available for both the General Programme and Honors Programme students. A core of activities has been approved (aquatics; dance or gymnastics; team sport; individual sport) for next year, along with a second section of 300 level activities to enable General Programme students to enroll. Most recently, teaching, coaching, and fitness programme streams have been approved in principle.

#### Degrees Awarded

Fall '77	-	General Programme =	11	Certificate of	
	-	Honors Programme =	69	Honors Standing =	3
Spring -78	-	General Programme =	83		
	-	Honors Programme =	62		

#### Academic Counsellor

This new post has been filled by Tova Zarnowiecki, and the positive feedback from students and Faculty is very encouraging. Tova was responsible for preregistration briefing sessions and a Vocational Programmes night.

#### Instructional Development

Active involvement and promotion by C. Milne, G.A. Wearing and J.S. Hill has resulted in a start being made on in-service teacher training workshops.



	Male	Female	Children	Total
<b>Aquatics</b>				
Parents and Tots			72	72
Pre-Beginner Swimming			102	102
Beginner Swimming			113	113
Adult Beginner Swimming	52	88		140
Pre-Junior Swimming			40	40
Junior Red Cross Swimming	16	40	126	182
Intermediate Red Cross	14	18	90	122
Senior Red Cross	72	10	9	91
Bronze Medallion Life Saving	27	54	46	127
Red Cross Leaders Swimming	6	13		19
Award of Merit Life Saving	6	14		20
Senior Resuscitation Award				
Award of Distinction Life S.	6	10		16
National Life Guard Service	7	18		25
Springboard Diving	16	6	27	49
Synchronized Swimming				
	—	—	—	—
1977-78 Totals	222	271	625	1118
1976-77 Totals		426	887	1313
1977-78 Grand Totals				2086
1976-77 " "				2207

## Notes:

1. Total enrolments dropped slightly from about 2200 in 1976-77 to roughly 2000 this year.
2. Social Dance was dropped from this Programme and all non-credit dance instruction is now administered by the Faculty of Part-time and Continuing Education.
3. Cross-Country Skiing, Racquetball, and Weight-Training were added.
4. The number of tennis sections was reduced in accordance with a decision to eliminate classes during the winter in Thompson Arena.
5. Major enrolment declines occurred in aquatics, especially among children - possibly resulting from a general population decline in the age group in question.
6. Attendance at the "free" noon-hour ladies fitness class rose sharply so that now two-thirds of U.C.C. gymnasium space is needed each day for this activity.

## Competitive Sports

## Activities and Participation - Winter Term

Activity	Men		Women		Coed	
	Participants	Teams	Participants	Teams	Participants	Teams
Ball Hockey	384	32				
Touch Football	576	48	117	16	300	20
Softball	192	16	38	5	132	11
Soccer (11 man)	345	23	90	7		
Tennis	48		28		50	
Cross-Country Run	74		31			
Volleyball	240	24	692	43	308	44
Basketball	552	46	340	34	190	19
Bowling					10	5



Sport Clubs

<u>Membership</u>	<u>Male</u>	<u>Female</u>	<u>Total</u>
Aikido	8	2	10
Archery	4	4	8
Badminton	80	46	126
Cricket	24		24
Curling	105	87	192
Fencing	28	19	47
Figure Skating	5	56	61
Judo	14	8	22
Karate	29	6	35
Rifle and Pistol	76	9	85
S.C.U.B.A.	103	54	157
Skiing	350	350	700 (approx.)
Skydiving	66	18	84
Table Tennis	51	8	59
Tae Kwon Do	37	14	51
Women's Waterpolo		18	18
Cross-Country Skiing	<u>18</u>	<u>27</u>	<u>45</u>
1977-78 Totals	998	726	1,724 (approx.)
1976-77 Totals			1,767

Notes:

1. Synchronized Swimming Club did not function in 1977-78.
2. Tae Kwon Do and Cross-Country Skiing were added to the programme.

Intercollegiate Athletics Programme - R.K. Barney

Sports and Participants

<u>Activity</u>	<u>Men</u>	<u>Women</u>	
Alpine Skiing	9	8*	Key to Table:
Archery		8*	
Badminton	7**	7*	** OUAA/OWIAA Champions
Basketball	12	13	* OUAA/OWIAA Runners-up
Cross Country	11	5*	
Curling	4*	5	
Fencing	11**	5	
Field Hockey		13	
Figure Skating	2	18**	Total Awards:
Football	57**		Men Women
Golf	5		351 186
Gymnastics	6	17**	
Hockey	19		Total Participants:
Nordic Skiing	6	6	Men Women
Rowing	55*	21**	309 186
Rugby	18**		
Soccer	19*		
Squash	12**		
Swimming/Diving	21	21**	
Synchronized Swimming		5	
Tennis	6*	8**	
Track and Field	27	11*	
Volleyball	16	15**	
Water Polo	11*		
Wrestling	17**		



## REPORT OF THE DEAN

Professor Andrew E. Scott

The past year has been one of continuing financial constraint made no easier by the ever-present inflationary pressures. Nevertheless, we are making every effort to prevent erosion of our academic standards despite the difficulties of maintaining our equipment and supplies inventories to a sufficiently high level.

We continue to examine ideas for innovative programs and courses and for the best utilization of our faculty potential. Several worthwhile endeavors have resulted from these efforts. In the following report, I have tried to cover some of the highlights of the year. However, since no report of this type can be exhaustive, I shall apologize in advance for any obvious omissions.

I. OLIM CIVES

It is with deep regret that I record the deaths of two people who have served the Faculty of Science faithfully for many years.

Mrs. Martha Bowie, a secretary in the Department of Geology, who died suddenly in May on the eve of her retirement.

Mrs. Helen Holland, formerly a secretary in the Department of Chemistry, who died in July after a long illness.

II. FACULTY ACTIVITIES(a) Milestones

Dr. D. A. McLarty, Professor in the Department of Plant Sciences, has been granted Emeritus rank on his retirement on 30 June 1978 after thirty-five years of distinguished service with the University. We wish Dr. and Mrs. McLarty a long and happy retirement.

(b) Honors and Awards

Two members of the Faculty of Science have been awarded the Queen Elizabeth II Silver Jubilee Medal for meritorious service. We extend our congratulations to the recipients, Mrs. Barbara J. Conkey, Administrative Officer in the Office of the Dean, and Dr. Aleksis Dreimanis, Professor in the Department of Geology. In addition, Dr. Dreimanis has been awarded the Latvian Cultural Foundation Honorary Award in Technical and Natural Science for his research achievements in geology.



- (d) The following were on Sabbatical and/or Study Leaves during 1977-78:

Dr. A. A. Bruen (Mathematics), Dr. F. P. A. Cass (Mathematics), Dr. S. A. Deakin (Applied Mathematics), Dr. C. B. Dunham (Computer Science), Dr. T. D. Gaily (Physics), Dr. W. S. Fyfe (Geology), Dr. M. H. A. Keenleyside (Zoology), Dr. J. K. Mullin (Computer Science), Dr. M. D. Owen (Zoology).

### III. The Visiting Scientist Program and Distinguished Lecture Series

We endeavor to maintain our Visiting Scientist Program at as high a level as possible, having regard to the funds available to us. The program is vital as a stimulus to our research efforts. During the past year we welcomed many distinguished scientists who stayed with us for various periods of time, lecturing and interacting with faculty members and graduate students. In addition we continue to maintain our three prestigious lecture series: The Biology Colloquium, The University Lecturer in Chemistry, and the Elizabeth Laird Lecture of the Department of Physics. This year the speakers in these lecture series were:

Biology Colloquium: Professor R. V. Short, M.R.C. Unit of Reproductive Biology, Edinburgh;

University Lecturer in Chemistry: Professor Duilio Arigoni, Swiss Federal Institute of Technology (ETH);

The Laird Lecture: Professor David J. Rose, M.I.T.

### IV. Biology

During the year a task force consisting of Dr. J. B. Bancroft, Chairman of the Department of Plant Sciences, Dr. Michael Locke, Chairman of the Department of Zoology, and Dr. R. G. E. Murray, Professor of Microbiology and Immunology, prepared a "Blueprint for Integration", a document setting forth recommendations for the formation of a Biology Unit within the Faculty of Science.

This document has been circulated to interested parties for discussion and comment. Meetings are planned to permit an exchange of views and further comment. If implementation of the recommendations takes place, either in their original form or amended, the earliest possible date will be July 1980.



under the provisions of this scheme. His visit was sponsored jointly by the Universities of Windsor, Western Ontario and Toronto and he visited all three.

#### Service on National Committees

Dr. J. H. Blackwell continues to serve as Chairman of the Communications Committee of the Canadian Society of Mechanical Engineers. Dr. P. J. Sullivan is a member of the same committee and also serves as Secretary/Treasurer of the Division of Mechanics and Applied Mathematics of the same society. Dr. S. C. R. Dennis was a member of the committee of the Third Canadian Symposium on Fluid Dynamics held at the University of Toronto in June, 1978. Dr. I. B. MacNeill continues to be active on committees serving statistics in Canada and was the Chairman of the Program Committee for the Sixth Annual Meeting of the Statistical Society of Canada. Dr. T. Luke was one of the organizers of the Conference on Mathematical and Computational Aspects of Atomic Scattering Theory held at the University of Western Ontario in June, 1978.

#### Research

The department has continued its research activity. Dr. H. Rasmussen obtained a renewal of his grant from the Ontario Ministry of the Environment for the study of environmental problems relating to Hamilton harbour. Dr. M. Zamir has received a grant from the Ontario Heart Foundation for the study of problems in biophysical fluid dynamics. Dr. S. C. R. Dennis and Dr. H. Rasmussen have each received a NATO Research Grant to assist collaborative research with visitors from NATO countries. Most of the faculty are supported by National Research Council of Canada Operating Grants. Dr. S. C. R. Dennis still continues to receive the largest Operating Grant awarded in Canada by the Pure and Applied Mathematics Committee of the National Research Council of Canada.

#### Department of Astronomy

##### Teaching

Astronomy 021 continued with three day sections and one evening one. A second section of Astronomy 20 will be offered next year to accommodate students whose program does not allow them to take the course at the hours scheduled for the first section.

The graduate offerings were modified somewhat this year with the introduction of a half course on Radiation Theory and the combination of two former half courses into one on Astronomical Instruments and Observed Properties of Stars.



for corrections and modifications. It is being returned in June of this year. Funding was provided by the Academic Development Fund. An indium-antimonide detector with dewar and optics for observations in the 2.2  $\mu\text{m}$  region has been ordered from Infrared Laboratories, using funds provided by NRC.

The Image Tube Scanner Detector built here has been adapted by a graduate student, L. Tomaszewski, working under Dr. Landstreet, for use with the Cassegrain spectrograph. This allows the rapid observation of faint stars, for either low dispersion spectrophotometry or polarimetry.

Work has continued on the automatic read-out of the iris-diaphragm photometer. A TV guider for remote guiding of the telescope has been designed and construction started. Further improvements were made in the mirror handling equipment for aluminization.

### Research

The University Observatory at Elginfield was used every clear night throughout the year as in previous years. As our ancillary equipment has improved, due to both acquisition of new instruments and the development of old ones, the contribution of the 48-inch telescope to research and published results has increased.

Theoretical work has continued as in the past. The major concern here is with provisions for post doctoral and other visiting appointments to provide active interaction with other theoreticians. Numerous colloquia were held during the year.

### Department of Chemistry

In a continuing assessment of the undergraduate programs, a Task Force on the Chemistry Curriculum was created in January to review the programs from the first year level on. An incisive report was presented to the Department in March and certain alterations were recommended. The major result of the Task Force report appears to be renewed general interest in the course sequence throughout the three and four year programs. A measure of increased flexibility has been proposed in a submission to SCAAPP and a new general interest course on Environmental Chemistry has been generated. Both the first and second year courses are receiving a critical evaluation to ensure better coordination between sequential offerings. With the successful experiment in Industrial Chemistry 358 in which an economist, an engineer and an industrial chemist assisted with the lectures, the Department intends to follow along



last year. Given usual levels of attrition this should create a strong continuing honors class.

This increase in honors enrollment has been achieved without detriment to the general program where course registrant demand is also up by ten per cent.

#### Curriculum Development

The Association of Computing Machinery, the professional body for computing in North America, presented its "Curriculum '77" this year. The Department's Curriculum Committee is studying the relationship of our own programs to this model.

At a different level the Curriculum Committee is examining the possibility of structuring CS 020 as two half courses. This could have pedagogic and administrative advantages.

As required by the original arrangements for the four half courses CS 022a, CS 023b, CS 131a, CS 132b, the Joint Course Committee for these courses presented a report to the Deans of Science and Social Science. The report was accepted by the Deans and the recommendations of this report are being transmitted to SCAAPP.

#### Equipment Development

The computing environment for first year teaching has been unsatisfactory this year causing, at times, considerable frustration amongst involved students and faculty.

Each of the two freshman courses spends one session working in a time-shared computing environment based on the Department's DEC PDP 11/50 system, and one session working in a batch environment based on the University Computing Centre's Cyber system. Special budgetary provisions over the last two years have allowed us to augment the 11/50 system to meet the demands of increased first year enrollment. Budget restraints have not allowed a corresponding improvement in the Cyber based batch environment.

In the last three years our first year enrollment has gone from 693 to 974 with virtually no change in the Department's Remote Job Entry Terminal facilities to the University Computing Centre. At current enrollment levels typical times between submission of a student job at the Department's terminal and its return vary from two to ten hours (as compared with 10 to 20 minutes for jobs submitted directly at the U.C.C. terminal). An average student requires ten submissions to complete each bi-weekly assignment.



### Employment

Our undergraduates are in demand for summer jobs in geology and, indeed, at time of writing we could place another six students. Those graduating with an Honors B.Sc. have been able to find permanent employment, perhaps not always exactly as desired but nevertheless positions with opportunity to learn and advance. Graduate students, particularly those with field experience and with an applied thesis topic, have been in demand and able to select their positions. Three-fold opportunity in government, industry and education continues to provide balance to employment opportunities in geology.

### Faculty and Staff

All part-time staff were terminated as of May 1. We lost one full-time staff member by untimely death and we have lost one full-time faculty member through his resignation to accept a senior position in government.

### Research

Work continues along all of the traditional lines of the discipline, continues to involve both undergraduate and graduate students, and is distributed worldwide through geographic and many geological environments. The objective of this research is to provide that stimulation to the teaching program which can only come from new work and, at the same time contribute significantly to the science. Canadian content includes work from Newfoundland to the Yukon with a considerable emphasis on problems of Appalachian geology along the East coast, Precambrian problems in northern Ontario, and Proterozoic and Phanerozoic geology in the far north. Funding is by Federal and Provincial governments and industry. Abroad, faculty and students are working in several international correlation programs requiring specific field studies at foreign sites and culminating in major conferences. For example, Western faculty and graduate students presented the largest number of papers of any university at the February symposium on Evolution and Mineralization of the Arabian-Nubian Shield held in Jeddah, Saudi Arabia. Also, there was faculty representation at the Special Meeting on Nuclear Waste Disposal in Sweden. Work on nuclear waste disposal is in progress not only abroad but also in Canada and is linked to the Department's participation in the new Geoscience Research Funding from the Ontario Ministry of Natural Resources. Applied research on gold deposits is similarly funded.

A faculty exchange has been established between our department and the Department of Geology at the University of Syracuse and negotiations are proceeding for exchange between Western and the University of Arizona as a way of bringing new people and ideas to the department.



Department of Mathematics

Enrolment in undergraduate mathematics courses was 3045 in April 1978 - about the same as last year. The total number of graduate students in the Department increased by 1 to 23 (15 full-time Ph.D. candidates and 5 full-time M.A. candidates, 1 part-time Ph.d. candidate and 2 part-time M.A. candidates).

Many distinguished mathematicians visited the Department for varying periods and each gave one or more talks. Also visiting the Department as Research Associates were R. J. Steiner from Cambridge and B. Thorpe from Birmingham. H. Kizmaz came as a post-doctoral fellow from Istanbul Teknik.

The Sixth Annual Meeting of the Statistical Society of Canada was held at Western in May 1978. J. C. Baskerville was largely responsible for its organization. There were four papers delivered by faculty members of the Department: D. R. Bellhouse, V. M. Joshi, R. Ponnappalli, and T. H. Wonnacott.

There were many continuing seminars and workshops in the Department this year, including those on the following topics: Algebraic K-theory, Algebraic Topology, Applied Statistics, Automata and Formal Languages, Computational Complexity, Computational Methods for the Cohomology of the Steenrod Algebra, Statistical Mechanics, and Summability. There was also a Joint Statistics and Econometrics Seminar.

The Statistics and Actuarial Science Group has been successful in obtaining a substantial sum of money for the partial funding for a medium-sized computing facility to be located in the Engineering and Mathematical Sciences Building. Also, agreement has been reached concerning the establishing of a Medical Research/Bio-statistics Unit at Victoria Hospital. The consulting and computing resources of Statlab and the Statistics and Actuarial Science Group will thereby be made available to researchers at Victoria Hospital.

The Department has approved a proposal to replace Mathematics 144 by Mathematics 144a/b, a half-course in Complex Variables, and to introduce Mathematics 148a/b, a half-course in Differential Equations. Senate has approved the proposal to replace Mathematics 133 by Mathematics 033b, a half-course in Calculus, and the proposal to introduce an honors program in Mathematics and Computer Science, both effective September 1, 1978.

The Ph.D. program in Pure Mathematics was appraised by J. F. Adams, P. A. Fillmore, and N. Mendelsohn. Their reports were all favourable. We are now awaiting the report of the Appraisals Committee of the Ontario Council on Graduate Studies. The Brief for a Reappraisal of Graduate Programs in Statistics and Actuarial Science has recently been submitted to the Appraisals Committee.



their grants. Though the dollar increases were not large, it is an indication of the recognition accorded their work.

Several projects are underway in addition to the ongoing NRC research. J. W. McGowan has received a contract from the U.S. Department of Energy for studies related to the thermonuclear fusion program. Members of the Centre for Radio Science have been involved in studies of radio wave propagation for the Department of Communications. U.W.O. has been instrumental in the establishment of the University Corporation for Space Research, with G. F. Lyon as first chairman. The corporation has representatives from all Canadian universities active in space research, and will serve as a body for coordinating activities at different universities and for dealing with N.R.C. in the development of large cooperative projects.

Professors Whippey and Alford have been collaborating with the Biological Structures Group which received substantial support last year from the Academic Development Fund. Their work has involved design and construction of a diffractometer for optical diffraction analysis of electron micrographs. The design is a substantial improvement over existing devices, and the instrument is now in active use in the analysis of the structure of plant viruses and bacterial cell walls. This project has been a very productive interdisciplinary collaboration which promises to develop further in the future.

It is worth noting the extent of outside collaboration in the research activities of the department. Much of the work of the Centre for Radio Science involves active cooperation with members of the Faculty of Engineering. This is also true of the work of Professor Brannen and Professor Hay. Professor J. W. McGowan is carrying out research with synchrotron radiation sources at the University of Wisconsin and Stanford University. Professor D. R. Moorcroft collaborates with workers from the Stanford Research Institute in radar studies of the aurora and Professor W. P. Alford is involved in nuclear structure studies at McMaster University, University of Colorado and Los Alamos Scientific Laboratory. The contacts provided by these activities do a great deal to strengthen research activities in the present period of financial constraints.

Research activities have also been stimulated by a number of visitors over the past year. Professor M. M. Pant of the Indian Institute of Technology has been working with Professor B. Y. Tong on biophysical problems. Dr. A. Ponomarenko of the Plasma Physics Laboratory, U.S.S.R. Academy of Sciences, Novosibirsk, and Dr. M. Dembinski of the Institute of Fundamental Technological Research, Polish Academy of Science, Warsaw, have been working with Professor



Dr. Orloci has published a 2nd enlarged edition of his book) and outside grant money. In spite of this, the department's support from the University is decreasing as a result of the general decline in the financial position of universities in Ontario. This, combined with the fall of the Canadian dollar, means that hard times can be envisaged for some time. The most obvious way to overcome at least part of the shortfall is for faculty to get as much outside money as possible in spite of our current space problems. About one third of our federal monies are obtained in only three grants and all of our internal grant money in two. The recent establishment in Ottawa of a University Office may be of help in obtaining federal money in new or improved ways.

The new graduate course about laboratory approaches seemed to go quite well this year and filled an obvious need. The sister course designed primarily for data analysis is to be given next and should provide an excellent background for our graduate students.

In terms of faculty recognition, Dr. Phipps has been appointed a member of the NRC population biology panel and Dr. Walden an assistant editor for the Canadian Journal of Genetics and Cytology. Drs. Cavers and Hayden are to be congratulated for their well-deserved promotions and the department wishes Dr. Cavers well in his capacity as Acting Chairman and Dr. Hayden as Director of Part-Time Studies in the Faculty of Part-Time and Continuing Education. The most senior faculty member, Professor D. A. McLarty has been awarded Emeritus rank for his long and distinguished service to this University and receives the department's very best wishes for a long and happy retirement.

## Department of Zoology

### Undergraduate Teaching

Twenty-three Honors Zoology students graduated June, 1978. The numbers of students registered in our undergraduate courses were as follows:

Biology 020	(shared with Plant Sciences 1:1 ratio)	997
Biology 200	( " " " " 2:1 ratio)	430
Biology 201	( " " " " 2:1 ratio)	416
Biology 021a		148
Biology 024		126

The average year long enrollment in:

2 - 2nd year courses	92
6 - 3rd year courses	41
8½ - 4th year courses	11



The most pressing problem continues to be that of space. The Department desperately needs improved and consolidated space for faculty research and better facilities for maintaining live animals.

#### VI THE SCIENCE TERRAPIN

We continue to publish our magazine The Science Terrapin under the capable direction of Mrs. Pat Nickason, our Academic Counsellor, and her Editorial Board. The magazine which contains articles of scientific interest written by members of the faculty, enjoys a wide circulation. In addition to the secondary schools and universities the magazine has been in great demand by sponsors of conferences devoted to the topic of Science Education. We are convinced of the value of the Science Terrapin and will continue to publish it as long as our funds permit.

#### VII THE RESEARCH CENTRES

The three formalized research groupings in the Faculty of Science continue to show good progress. They are the Photochemistry Unit, the Centre for Radio Science, and the Centre for Chemical Physics. Since their activities are fully documented elsewhere, I will not elaborate further in this report.

#### VIII CONCLUSION

In conclusion, I wish to record my thanks to the members of the faculty and staff of the Departments of the Faculty of Science for their many contributions made throughout the year. In no small measure the same applies to my Associate and Assistant Deans and to the staff of the Dean's Office. To them, also, goes my grateful acknowledgement.



## ANNUAL REPORT OF THE DEAN

DR. B. KYMLICKA

1. Enrolment

a) Undergraduate: Tables 1 and 3 provide a statistical overview of the the undergraduate enrolment in Social Science from 1974/75 to 1977/78 (for periods before 1974/75 see previous reports). The following are some observations on the statistical picture.

i. According to the statistics provided by DIAS (Statistical Report, Student Statistics, academic year 1977/78, p. 1), the Faculty of Social Science is serving one half of all the undergraduate students enrolled in the three central Faculties. This is an increase of 1 per cent over the previous year. "The burden," as our last year's Report lamented, "is not getting any lighter."

ii. There seems to be emerging a pattern of enrolment within the Faculty. Sociology, Geography, and History appeared to bear the brunt of the declining enrolment. For example, 55 per cent of the total decline in enrolment experienced during the past year, was borne by Sociology. (The total enrolment in courses offered by the Department of Sociology accounted for about 16 per cent of the total enrolment in this Faculty.) Similar figures for Geography are 14 per cent (7 per cent) and for History 38 per cent (7 per cent). The troubling aspect of this issue is that there are indications over the last number of years that this is not a one-year phenomenon.

In light of the above, it is doubly gratifying to report that the smaller Departments of this Faculty, Anthropology and Secretarial and Administrative Studies, have continued to increase their enrolments.

iii. For reasons that can be only called perverse, the trend towards a balance between enrolments in General and Honors courses has been reversed and there was a marked (13 per cent) decline in Honors enrolment: 8 per cent in Geography; 22 per cent in History; 17 per cent in Political Science; 15 per cent in Psychology; and 21 per cent in Sociology. It is hoped—in faith fortified by work—that this is only an aberration.

b) Graduate: Tables 2, 3, and 3A summarize graduate enrolment and the award of graduate degrees from this Faculty. This is a very crucial area not only because of the uncertainties associated with the job market for holders of graduate degrees, but because of the changes affecting Departments in the Faculty. Thus Anthropology is still in the throes of establishing its well deserved M.A. program; Sociology is now in the first year offering its Ph.D. in social demography; and Psychology (together with other Departments in Ontario) is in the midst of an ACAP appraisal. The inevitable changes such developments demand are often difficult to accomplish.



TABLE 2  
GRADUATE ENROLMENT IN SOCIAL SCIENCE 1973/74 - 1977/78

Department	Master's Degree					Doctor of Philosophy					Total				
	1973/74	1974/75	1975/76	1976/77	1977/78	1973/74	1974/75	1975/76	1976/77	1977/78					
Economics	14	22	31	20	19	40	35	39	50	55	54	57	70	70	74
Geography	36	35	32	43	39	24	22	19	21	26	60	57	51	64	65
History	62	66	63	63	59	11	12	14	16	18	73	78	77	79	77
Political Science	47	51	42	47	39	11	13	20	11	9	58	64	62	58	48
Psychology	51	52	52	42	26	78	82	96	87	79	129	134	148	129	105
Sociology	34	41	40	43	55	-	-	-	-	-	34	41	40	43	55
<b>TOTAL</b>	<b>244</b>	<b>267</b>	<b>260</b>	<b>258</b>	<b>237</b>	<b>164</b>	<b>164</b>	<b>188</b>	<b>185</b>	<b>187</b>	<b>408</b>	<b>431</b>	<b>448</b>	<b>443</b>	<b>424</b>



TABLE 3A

Graduate Degrees Awarded in Social Science Departments

1974/75 - 1977/78

(number of degrees awarded)

Department	M.A.				Ph.D.				Total			
	1974/75	1975/76	1976/77	1977/78	1974/75	1975/76	1976/77	1977/78	1974/75	1975/76	1976/77	1977/78
Economics	20	28	20	18	7	4	4	5	27	32	24	23
Geography	13	16	4	15	5	1	6	6	18	17	10	21
History	16	23	19	21	1	2	2	-	17	25	21	21
Political Science	10	11	7	3	1	1	1	1	11	12	8	4
Psychology	21	34	23	25	11	9	20	12	32	43	43	37
Sociology	21	11	16	6	-	-	-	-	21	11	16	6
TOTAL	101	123	89	88	25	17	33	24	126	140	122	112

\* Degrees awarded at the fall and spring Convocations of each academic year



TABLE 4

## CLASS SIZE BY DEPARTMENT AND COURSE LEVEL 1977/78

194

	Number of Classes*						
	<u>0-10</u>	<u>11-50</u>	<u>51-100</u>	<u>101-150</u>	<u>151-200</u>	<u>201-300</u>	<u>300+</u>
<u>001-099 Level</u>							
Anthropology			7				
Economics		1	20				1**
Geography		1	1	1	1		
History		4	2	5			
Political Science		6	12				
Psychology				1	14		
Secretarial and Administrative Studies		4					
Sociology				2	4	2	
TOTAL		<u>16</u>	<u>42</u>	<u>9</u>	<u>19</u>	<u>2</u>	<u>1</u>
<u>100-199 Level</u>							
Anthropology							
Economics		24	40	1			
Geography		12	1	1			
History	1	8	1	2			
Political Science		9	4	1	1		
Psychology			1	1		1	4
Secretarial and Administrative Studies	1	12	3		1		
Sociology		1	10				
TOTAL	<u>2</u>	<u>66</u>	<u>60</u>	<u>6</u>	<u>2</u>	<u>1</u>	<u>4</u>
<u>200-299 Level</u>							
Anthropology		11	2				
Economics		11					
Geography		9	4				
History	2	8	2	2			
Political Science	5	12	1				
Psychology	2	29	7				
Secretarial and Administrative Studies							
Sociology	1	21	10				
TOTAL	<u>10</u>	<u>101</u>	<u>26</u>	<u>2</u>			
<u>300-399 Level</u>							
Anthropology	1	4					
Economics	3	8					
Geography	7	9	2				
History	5	22					
Political Science	1	11					
Psychology	10	13					
Secretarial and Administrative Studies							
Sociology	3	7					
TOTAL	<u>30</u>	<u>74</u>	<u>2</u>				



TABLE 5

TEACHER RATINGS BY DEPARTMENT\*

0 (low) to 5 (high)

All Teachers and Courses Evaluated

<u>Department</u>	<u>1976/77</u>			<u>1977/78</u>		
	<u>n</u>	<u><math>\bar{m}</math></u>	<u><math>\delta</math></u>	<u>n</u>	<u><math>\bar{m}</math></u>	<u><math>\delta</math></u>
Anthropology	25	3.4	1.07	27	3.4	1.17
Economics	112	3.1	1.13	139	3.2	1.14
Geography	59	3.3	1.20	71	3.2	1.16
History	117	3.5	1.14	113	3.6	1.16
Political Science	55	3.5	1.17	56	3.5	1.17
Psychology	98	3.1	1.14	102	3.2	1.16
Secretarial and Admin. Studies	34	3.8	1.14	36	3.9	1.08
Sociology	78	3.5	1.15	88	3.6	1.06
Faculty	593	3.3	1.16	644	3.4	1.16

\*Question 10: Overall effectiveness

Notation:  $n$  = number of instructor reports $\bar{m}$  = simple average of all observations in the Department $\delta$  = standard deviation



### 3. Awards Ceremony

An annual event of great pleasure to all is the Faculty Awards Ceremony at which we honor the outstanding graduates of the Faculty. At the Ceremony, held prior to the spring Convocation, gold medals and other prizes were presented. We owe thanks to the Chancellor of the University, Mr. J. Allyn Taylor, for honoring us with his presence and for his gracious presentation of the two Chancellor's Prizes to the students with the highest graduating average in the Honors and three-year programs. It was also our pleasure to have the new President of the University, Dr. G. E. Connell, share in our celebration.

### 4. Museum of Indian Archaeology

The effort to establish the Museum of Indian Archaeology as an independent, self-sustaining unit within the University was vastly enhanced during the year by the incorporation of the Museum and by the support that the new Board has received from the community. The Board of Directors are Ms. Jessie MacFarlane, President; Colonel Tom Lawson, Vice-President; Professor William D. Finlayson, Secretary-Treasurer; Mr. Selwyn Dewdney; Dr. Elsie M. Jury; Dr. Wilfrid Jury; Professor B. B. Kymlicka; Mr. W. Stuart McBride; Mr. William E. Taylor, Jr.; and Mr. R. B. Willis.

In order to obtain the necessary additional outside funding for the development and operation of the Museum for the next three years, a fund-raising committee has been established which consists of Mr. O. M. Fuller, Chairman; Mr. D. J. McDougall; and Mr. M. C. Pryce.

Other major support for the development of the Museum includes a \$20,000 per year annual grant from the Lawson Foundation and a Wintario grant of \$28,416. In addition, the Museum has obtained an establishment grant of \$5,000 from the Ministry of Culture and Recreation and is now eligible for an annual operating grant of \$12,000.

The Museum Gallery was opened to the public on March 31, 1978. The Gallery presently contains a temporary exhibit on the history of the Museum for the past fifty years and another entitled "Images in Stone" which displays some classic examples of native stone sculptures which are present in the Jury collection of Indian artifacts. The Gallery also contains a permanent exhibit outlining the history of the occupation of southwestern Ontario over the past 11,000 years.

As of June 30, 1978, more than 2,000 people have visited the Gallery including 12 group tours from local schools.

As can be seen from the information appended to this Report, the Museum is also a major recipient of grants and plays a vital part in our efforts to understand the prehistoric heritage of Ontario.



## 6. Special Events and Lectures

a) Learned Societies: The Learned Societies held their annual meetings at Western. Most of our Departments were involved in the preparation, organization, and administration of the programs and sessions. It is acknowledged by all that the University put on one of the best organized and pleasant series of meetings in the history of the Learned Societies. Much of the credit for the overall planning must go to Mr. M. Davidson and his staff. Within our Faculty, Professors D. H. Avery (History), E. Saraydar (Economics), M. J. Troughton (Geography), S. J. R. Noel (Political Science), and R. L. Henshel (Sociology) deserve the thanks not only of their colleagues in this Faculty but also of those in their disciplines who attended the sessions. Earlier, in February, Ms. C. Farber of the Department of Anthropology organized a Canadian Ethnological Society meeting at Western. The conference was widely acclaimed as the most successful in the Society's history.

b) Centennial Seminars: As part of Western's centennial celebrations, the University made some funds available to this Faculty for sponsoring special seminars. Supplemented by Faculty funds, the Departments have taken good advantage of this opportunity and held a number of stimulating meetings, often with visiting scholars as participants. Thus the Department of Anthropology presented a series of three lectures on linguistic research and native language teaching in Canada. The three distinguished speakers were Dr. M. Krauss, Director of the Alaska Native Language Program; Mr. S. D. Mallon, Director of the Linguistics Programs, Department of Education for the Northwest Territories; Dr. K. Basso, Linguist in Residence at the School of American Research, Santa Fe, New Mexico. The Department of Geography invited the very eminent Professor H. C. Darby of Cambridge University (U.K.) to spend one week with the Department. History sponsored a two-day conference on the history of universities that was attended by a number of eminent scholars now engaged in writing history of Ontario Universities—including Professor Robin Harris of the University of Toronto and our own Professor J. R. Gwynne-Timothy. Political Science held a symposium on "Philosophy and Myth in George Sorrel" to which visiting scholars from California and Toronto were invited. University teaching was the topic of a conference organized by Dr. H. G. Murray of the Department of Psychology. It attracted many researchers from across North America and the proceedings will be published. And the Department of Sociology held a symposium focusing on Professor J. H. Kunkel's book, Behavior, Social Problems and Change. Professors G. C. Homans (Harvard) and R. L. Akers (Iowa) were the invited distinguished speakers.

c) The third annual Joanne Goodman Lectures were delivered by Professor Robert Rhodes James, M.P., on the topic, "The British Revolution." The Faculty remains in gratitude to Mr. E. Goodman for sponsoring the lectures and their publication, in honor of his daughter, Joanne, a student at Western who died in a tragic car accident.



from July to November 1977 and who will assist us again from August to November 1978. We regret the resignation of Mrs. Laurie Stiles who had served as an Academic Counselling Assistant from May 1976 to May 1978. However, we were very pleased that Mrs. Mary Wiltshire accepted our offer of the post. Finally, Mrs. Jan McIntyre has provided much needed assistance with filing and general office work over the summer of 1978.

#### 9. Some Concerns of the Faculty

A number of Chairmen and Faculty members expressed dissatisfaction with the structure of salaries and this year's salary settlement with the Faculty Association. Frequent changes and the absence of merit pay (especially this year for the junior Faculty members) have been the two criticisms cited most often.

#### 10. Dean's Office

As financial resources diminish, the pressure on administration increases. It is, therefore, doubly gratifying to be able to work with a group of people as dedicated to the goals of the Faculty and as competent in their jobs as the ones comprising the Dean's Office.



Appointments (Cont'd)Department of Political  
Science

A. Braun	Assistant Professor
W. R. McKercher	Assistant Professor
R. D. Olling	Lecturer
A. B. Sancton	Lecturer

Department of Psychology

M. A. Goodale	Associate Professor
R. C. Hanna	Assistant Professor
E. T. Higgins	Associate Professor
B. A. Jessup	Lecturer
S. J. Lupker	Assistant Professor
F. L. Mills	Assistant Professor
G. Moran	Lecturer
W. G. Newby	Lecturer
M. Paquin	Lecturer
J. P. Rushton	Assistant Professor
J. A. Short	Lecturer
J. G. Tudiver	Lecturer

Department of Sociology

A. Brannigan	Lecturer
L. A. Hayduk	Assistant Professor
K. McQuillan	Lecturer
B. H. Stoodley	Visiting Professor
O. Wolowyna	Lecturer

(b) Promotions (July 1, 1977 unless otherwise stated)Department of Anthropology

C. A. Creider	Associate Professor
J. M. Freedman	Associate Professor

Department of Economics

K. B. Bhatia	Associate Professor
C. Lim	Assistant Professor (April 1, 1978)
M. Rashid	Assistant Professor (June 1, 1978)
N. Tomes	Assistant Professor (March 1, 1978)

Department of Geography

W. Fieguth	Assistant Professor (November 1, 1977)
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Department of History

J. A. Dickinson	Assistant Professor (November 1, 1977)
G. N. Emery	Associate Professor
D. H. Flaherty	Professor



(d) (i) Leaves of Absence (Cont'd)

<u>Department of History</u>	T. N. Guinsburg	Associate Professor
	E. Hahn	Assistant Professor
	J. R. Lander	J. B. Smallman Professor
	P. F. Neary	Associate Professor
	A. Santosuosso	Associate Professor
	I. K. Steele	Professor
<u>Department of Political Science</u>	J. D. McNiven	Associate Professor
<u>Department of Psychology</u>	D. R. Evans	Assistant Professor
	I. Spence	Associate Professor
<u>Department of Sociology</u>	S. Clark	Assistant Professor (January 1, 1978 to June 30, 1978)
	R. L. Henshel	Associate Professor
	O. E. Klapp	Professor

(d) (ii) Returning from Leaves of Absence (July 1, 1977 unless otherwise stated)

<u>Department of Economics</u>	G. Carliner	Assistant Professor
	H. T. Johnson	Associate Professor
	J. C. Leith	Associate Professor
<u>Department of Geography</u>	E. M. Bjorklund	Associate Professor
	R. W. Packer	Professor
	A. K. Philbrick	Professor
	W. Warntz	Professor
<u>Department of History</u>	F. H. Armstrong	Professor
	G. N. Emery	Associate Professor
	M. Zaslou	Professor
<u>Department Political Science</u>	F. M. Barnard	Professor
	R. A. Vernon	Associate Professor
<u>Department of Psychology</u>	B. Bucher	Associate Professor (January 1, 1978)
	R. C. Gardner	Professor
	L. S. Prytulak	Associate Professor
<u>Department of Sociology</u>	C. L. Boydell	Associate Professor (September 1, 1977)
	C. F. Grindstaff	Associate Professor (September 1, 1977)
	J. H. Kunke1	Professor



APPENDIX B: OUTSIDE RESEARCH FUNDS

This appendix provides information descriptive of the diversity of research interests being pursued by members of this Faculty. The awards listed are those held during the year 1977-78, although some of the grants were awarded earlier.

Department of Anthropology

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
C. A. Creider	Department of Indian and Northern Affairs	\$ 1,763	Northern Research Group
	Department of Indian and Northern Affairs	1,450	Northern Scientific Training
C. Farber	Young Canada Works Program, Employment and Immigration Canada	8,944	Understanding Ontario Folk Festivals: collection, cataloguing, and editing materials for public presentation
M.M.A. McDonald	Royal Ontario Museum	50,000	Assistant Director of project titled "Archeological Investigations of Mahidasht (Iran) 1978"
M. E. Seguin	National Museum of Man, Urgent Ethnology Program	6,136	Tsimshian Text Collection and Dictionary, Hartley Bay Dialect

Department of Economics

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
S. M. Ahsan	Canada Council		Effects of Fiscal Policy on Saving and Investment Decisions Under Uncertainty
K. B. Bhatia	Canada Council	\$ 2,383	Taxation, Capital Gains and Economics Policies
	Canada Council	5,078	Capital Gains in the United Kingdom
A. G. Blomqvist	Canadian International Development Agency	6,000	Ghana Project (Director)



Department of Economics (Cont'd)

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
D. T. Scheffman M. W. Frankena	Ontario Economic Council	\$ 28,000	Provincial Land Use Policies in Ontario: An Economics Analysis
A. Ullah	National Research Council	2,020	Improved Estimators Models
J. Whalley	Academic Development Fund	25,000	Applied General Equi- librium Analysis
	Canada Council	41,010	General Equilibrium Analysis of Taxation Policy
	Ford Foundation	67,897	A Computational Appraisal of the Economic Impact of Selected Barrier to Trade Among Major World Training Blocs
R. Wintrobe	Canada Council	21,658	Economic Analysis of Public Bureaus (Killam Senior Research Scholarship)
R. J. Wonnacott	Canada Council		The Economic and Insti- tutional Feasibility of Various Commercial Policy Options for Canada

Department of Geography

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
R. W. Butler	Ministry of Housing	\$ 7,000	Assessment of the Feasi- bility of Using Remote Sensing to Determine Winter Use of Cottages
	Imperial Oil Limited	5,000	Leisure Needs and Social Impacts of Oil Exploration Site Employees
D. G. Cartwright	Canada Council	4,000	Ecclesiastic Territorial Organization and Catholic Colonization in Northern Ontario



Department of Geography (Cont'd)

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
H. W. Taylor	Canada Council	\$ 10,000	Spatial Distributions of Demographic Characteristics, Latin America
W. Warntz	Social Sciences and Humanities Research Council of Canada	4,900	Bernhard Varenins, Isaac Newton, <u>et al.</u> and the Development of the <u>Geographia Generalis</u>

Department of History

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
D. H. Flaherty E. H. Hanis	Ford Foundation	\$147,000	Privacy and Access to Government Microdata for Social Science Research
D. H. Flaherty	Canada Council	7,500	Criminal Justice in Provincial Massachusetts
E. Hahn	Canada Council	4,692	Scholarship and Proga- ganda: The War Guilt Question in the Domestic Policies of the Weimar Republic
D. Pospelovsky	Social Sciences and Humanities Research Council of Canada	9,500	Interrelationship of Russian Nationalism and Russian Religious Thought in the 20th Century (\$9,500 plus return air fare to Europe)
	Harvard University Russian Research Centre	3,000	Interrelationship of Russian Nationalism and Russian Religious Thought in the 20th Century
I. K. Steele	UWO Foundation	1,500	Colonial and Revolution Archives



Museum of Indian Archaeology (Contd')

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
Museum of Indian Archaeology	The Lawson Foundation	\$ 20,000	Development of the Museum
	Ministry of Culture and Recreation	5,000	Development of the Museum

Department of Political Science

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
F. M. Barnard	Foundation of Alexander Von Humboldt-Stiftung		To study the development of Philosophical Anthropology in Germany with particular reference to the continuity of themes originated by Herder and Wilhelm v. Humboldt
J. R. Cartwright	Canada Council	\$ 8,150	To study "Political Leadership in Africa"
D. G. Long	Academic Development Fund	10,000	"Jeremy Bentham Manuscripts—Transcription, Indexing, Editing": development of computer-assisted editing techniques to facilitate extraction from unpublished autograph manuscripts of definitive texts of the works of Jeremy Bentham (1748-1832), the English utilitarian social and political theorist
McDougall, A. K.	Canada Council Leave Fellowship	8,100	To pursue a study of Alex MacLeod, one time MLA in Ontario, and later an advisor to Premiers Frost and Robarts



Department of Psychology (Cont'd)

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
G. J. Mogenson	National Research Council	\$ 33,604	Neural Mechanisms of Motivated and Emotional Behaviors
H. G. Murray	Imperial Oil Limited	7,135	Characteristics of Outstanding University Teachers
R. W. J. Neufeld	Medical Research Council	14,000	Parameters of Cognitive Deficit in Schizophrenia
	Canada Council	16,566	Cognitive Mechanisms in Psychological Stress
A. U. Paivio	National Research Council	43,549	Symbolic Processes in Memory and Perception
D. R. Pederson	Canada Council	9,929	Descriptive Studies of Children's Play
Z. W. Pylyshyn	National Research Council	25,432	Mental Representations of Spatial Relations
D. C. Reberg	National Research Council	8,870	Interactions Among Pavlovian
W. A. Roberts	National Research Council	14,499	Studies of Memory in Animals
G. B. Rollman	National Research Council	16,000	Psychophysical Studies of Tactile Function
M. M. Schnore	Imperial Oil Limited	7,033	A Study of Determinants of Attitudes Toward Retirement
I. Spence	National Research Council	5,875	The Analysis of Incomplete and Asymmetric Data
C. H. Vanderwolf	National Research Council	48,249	Hippocampal and Neocortical Electrical Activity in Relation to Behavior
N. J. Vidmar	Canada Council	9,510	Conflict and Justice: II



Department of Sociology (Cont'd)

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
R. J. Turner	Ministry of Community and Social Services	\$ 63,700	Family Volunteer —Phase II
	Thames Valley District Health Council	15,220	Determination of Rehabilitation Potential for the Physically Disabled in Southwestern Ontario
R. J. Turner (Director) H. Burton L. Canzona R. Lindsay S. Palmer	Ministry of Health	72,725	Psycho-social Functioning of Home Dialysis Patients
R. J. Turner (Director) H. Burton M. Inwood	National Health and Welfare	14,950	Canadian Hemophilia Survey, Phase III —Questionnaire Development
	Canadian Hemophilia Society	6,500	
P. C. Whitehead	Addiction Research Foundation of Ontario	2,000	Programmes on Alcohol and Drug Abuse

Social Science Computing Laboratory

<u>Grantee</u>	<u>Grantor</u>	<u>Amount</u>	<u>Title</u>
E. H. Hanis	The Richard Ivey Foundation	\$100,000	Equipment grant for Support of Selected Areas of Computer Based Social Science Research
H. H. Hanis D. H. Flaherty	Ford Foundation	147,000	Privacy and Access to Government Microdata for Social Science Research



## Brescia College

## Report of the Principal

Sr. Dolores Kuntz

Early in the fall Faculty and students of Brescia College were saddened by the sudden death of Father William Dwayne who had served as Brescia Chaplain for the previous year and a half. Father Dwayne was replaced for the remainder of the year by Father Timothy Elliott, a Franciscan missionary studying at Divine Word Centre.

Faculty have been involved in speaking to various professional and service groups. In May Mr. Patrick Burman of the Sociology Department presented a paper entitled "Liberal Capitalist Ideology: System Requisites, Interpretational Mechanisms and Words" to the Canadian Sociology and Anthropology Association Session on Dependency Theory. Dr. Carson Smiley of the Psychology Department made several presentations. He gave a paper entitled "Existing Typologies of the Residential and Non-residential Juvenile Offenders" at the Annual Meeting of the Ontario Psychological Association in Ottawa February 1978. In May he spoke to the Second Annual Court Clinic Conference in London, Ontario on the topic of "Family Court Clinic Assessment: A one-year follow-up." In June he presented a paper entitled "Convergent and Discriminant Validation of the Basic Personality Inventory in a Delinquent Population" at the Annual Meeting of the Canadian Psychological Association in Ottawa.

Dr. Lynne DiStefano of the Home Economics Department continued her study of the architecture of George F. Durand with the assistance of a grant from the Ontario Heritage Foundation. This grant was given for the conservation of a selected number of Durand's architectural drawings. Dr. DiStefano coordinated and was architectural historian for an exhibition entitled "The Architecture of George F. Durand (1850-1889)" which was held at Centennial Museum (London) from May 22nd to July 16th, 1978.

Dr. Patricia Giovannetti has received confirmation that she will receive another grant from the Ontario Heart Foundation starting on July 1st 1978 to study the effect of plant protein on the serum cholesterol level of hyperlipoproteinemic patients. Interim funding as well as individually packaged servings of the plant protein products and their animal protein counterparts have been secured from Ralston Purina. Dr. Giovannetti continued to serve as Chairman of the Admissions Committee for the Canadian Dietetic Association and is Chairman of the 1978 program committee of the Nutrition Society of Canada.

At the final meeting of the Advisory Board in the spring Mr. Harvey Gleason took over as Chairman for the year 1978-79. Mr. Gleason replaced Mrs. Patricia Pettigrew whose service to the college has been outstanding and whose contribution we acknowledge with gratitude.



HURON COLLEGE

Report of the Principal, July 1/77- June 30/78

The Venerable John Grant Morden

Huron College greets Dr. George Edward Connell as the new President and Vice-Chancellor of the University of Western Ontario. We also greet Mr. J.W. Carson, Jr. the new Chairman of the Executive Board of Huron College who will serve a term of four years from 1978-1982. The Executive Board of Huron College has appointed Mrs. V. Ripley as the Chief Librarian of Huron College. Mrs. Ripley is a former student of Huron College, a graduate in Library Science of this University, and the former Assistant Librarian at Huron College.

At the Founder's Day ceremonies on December 2nd, 1977 Huron College received Dr. F.E.L. Priestley, one of Canada's leading English Scholars, as a Lifetime Honorary Fellow. Also on this occasion Dr. D.C. Williams, the former President and Vice-Chancellor of the University of Western Ontario, was received as a Lifetime Honorary Fellow. Huron College expresses its gratitude for all that Dr. Williams accomplished for this University and for this College during his term of office.

On February 8th, 1978 the Rt. Rev. John Howe delivered the R.T Orr public lecture at Huron College on the topic "God and the Anglican Communion". Bishop Howe is the General Secretary of the Anglican Consultative Council and the Secretary of the Lambeth Conference. Huron College is pleased to announce that the Anglican Consultative Council will be meeting at the College in May 1979. This council will bring to the college leading churchmen from every province of the Anglican Communion from around the world.

At the Huron College Theological Section of the 226th Spring Convocation of the University of Western Ontario, Huron College conferred the Degree of Doctor of Divinity (honoris causa) on the Most Reverend Gerald Emmett Carter. Bishop Carter was at that time the Eighth Bishop of the Diocese of London. Bishop Carter was honored as a church statesman whose wisdom and spiritual leadership has enriched his own church and has been greatly appreciated in its ecumenical outreach by members of other christian communions. We note with pleasure that on the day following the Convocation his appointment as the Archbishop of the Arch-diocese of Toronto was announced in the press. Also at the Theological Convocation the Degree of Doctor of Divinity (jure dignitatis) was conferred on the Right Reverend Edward Kent Clarke, the Suffragan Bishop of the Anglican Diocese of Niagara. Bishop Clarke is the Chairman of the General Synod Program Committee. In addition eight candidates received the degree of Master of Divinity and three candidates received the degree of Bachelor of Ministry. These degrees earned in course were conferred by Chancellor J. Allyn Taylor of the University of Western Ontario. The Honorary Degrees were conferred by the Rt. Rev. David Ragg, the Chairman of the Huron College Corporation.



## Report of the Principal

Dr. J.D. Morgan

In spite of an overall decrease in the Ontario university system, the 1977-78 academic year showed a modest (2.5%) increase in enrolment at King's College. Our full-time enrolment rose to 1,050; the faculty complement rose to 43 full-time, with part-time faculty bringing the figure to 53 equivalent professors. Four of our faculty members completed their doctorate during the course of the year, bringing the percentage of full-time faculty members with a doctorate up to 65%. In addition, we expect another 14% of our faculty to complete their doctorates within the coming months. Thirty-eight percent of our part-time faculty have completed their doctorates.

While the acquisition and use of the Silverwood property has improved the quarters we have at King's College, we did not wish to enter into a permanent designation of space without some serious thought concerning the use of the space, especially in light of our philosophy of education which demands that there should be a great deal of physical, academic and spiritual contact between administration, faculty and students. For this reason, we engaged the consulting firm of Izumi and Herzog to advise us on our anticipated space needs, as well as recommend new and remodeled space in light of our philosophy of education. Over the course of the year, the consultants presented us with five alternatives concerning the use of our space, ranging from very modest construction to plans involving substantial reorganization of buildings and streets. A final proposal recommended a library extension, a gymnasium, and reorganization of classroom, office and residence space. This proposal was accepted in principle by the Board of Directors, who at the same time authorized a feasibility study of the library, snack bar and students' lounge extensions. We would hope to begin this construction in February of 1979, so that the projects could be completed before that September. This project would add 144% additional space to our library and 42% additional space to our snack bar and students' lounge area.

Our faculty continues to be active in delivering papers to learned societies, as well as publication of books and articles and in the journals of their respective disciplines. In addition, the faculty have been involved in guest lectureships at various universities.

The King's Lecture this year was given by Dr. Kenneth Boulding of the University of Colorado and was well received. In addition, Dr. Frederick Wilhelmsen of the University of Dallas and Dr. Daniel O'Connell of St. Louis University spoke. A musical evening was provided by Miss Betty Wilson and Mrs. Cheryl Harrison. A program of



UNIVERSITY LIBRARY SYSTEM

## Report of the Director of Libraries

ROBERT LEE

During 1977-78, we moved forward in the achievement of a number of our goals. A new circulation system was installed; significant progress was made in developing a Serials Management System, and in improving access to the microform collection; electronic security systems were installed in two additional libraries; and detailed planning and development proceeded on a Computer-Output Microform (COM) catalogue.

Two major problems, noted in last year's report, continued during 1977-78: there was an increasing shortage of space for collections, and inflation (combined with further devaluation of the Canadian dollar) had a major impact on the acquisition of new materials.

COLLECTIONS

One of the major concerns of 1977-78 was the decline in the growth rate of the collections. This was due to continuing price inflation for books and journals, and the drastic devaluation of the Canadian dollar in relation to many of the world's major currencies (e.g., 12-15% on the American dollar, 25-30% on the British pound, and 30-35% on the German mark).

In July 1977, selection levels for new titles were reduced. When this action proved to be insufficient to keep the acquisitions program within budgetary limits, ordering of new titles was further reduced in early November, thereby permitting only the acquisition of requests for course reading lists, priority requests from faculty, and titles suitable for purchase from special funds. All other requests were held awaiting the availability of additional funds for acquisitions. A severely reduced program of acquisitions remained in effect for three months, i.e., until early February 1978, when funds were transferred from other Library System accounts to the acquisitions budget. From early February until the end of the fiscal year (April 30, 1978), ordering of essential materials were resumed, and many of the requests that had been held were ordered. The program of restraint in ordering achieved the goal of staying within budget limits, but resulted in a 34% reduction in the discretionary ordering rate (primarily monographs) as compared to 1976-77. During 1978-79, the acquisitions program is not expected to exceed that of 1977-78.

Despite financial restraints on the acquisitions budget, a number of important acquisitions were made with funds from other sources. With the assistance of a \$1,500 grant from the UWO Foundation, Inc. of New York, several series of 18th century British government documents on microfilm, relating to the history of Colonial and Revolutionary America, were purchased. With grants made available through the



The increasing staff and equipment costs for maintaining card catalogues, as well as the physical space required to house catalogue cabinets, have necessitated the consideration of computer-produced microform catalogues. Detailed studies, as well as visits to other academic libraries that have microform catalogues, have shown that microform catalogues are inexpensive to reproduce, provide a number of access points for individual items in the collection, and increase the availability of catalogue information through the provision of copies of the catalogues in various campus locations. With the concurrence of the Library Council and Senate, a decision has been made to convert to a computer-produced microform catalogue prior to 1981.

#### PUBLIC SERVICES

In addition to providing reference and information services, assisting users to make effective use of the Libraries, and servicing collections, the public service staff has made substantial progress each year in introducing ways in which users can locate materials and information they want with a minimum of time and inconvenience. During the period covered by this report, a number of improvements were made. For example, access to additional on-line data bases resulted in a substantial increase in the number of searches: 983 in 1976-77, and 2,112 in 1977-78. The introduction of a new circulation system, which extended automated circulation control from three to all eight libraries, helped to simplify and expedite the borrowing of library materials. Major improvements were made in providing better access to microforms and serials. The long-range goal of providing adequate security for all of the library collections was achieved. The installation of electronic security systems in the Libraries began in 1974-75 and was completed in 1977-78.

The D.B. Weldon Library	1974-75
Health Sciences Library	1975-76
Law Library	1975-76
Natural Sciences Library	1975-76
Business Library	1976-77
Education Library	1976-77
Engineering Library	1977-78
Music Library	1977-78

The security systems have substantially reduced the loss rate, and have helped to make library materials more accessible for users.

#### THE D.B. WELDON LIBRARY

The levelling off of use of The D.B. Weldon Library, as noted in last year's report, was reaffirmed although there was an increase in the number of reference questions recorded and the number of copies made by self-serviced coin-operated photocopiers. The number of hours the Library was opened for service was maintained at 90.5 hours per week through the winter and spring terms and 79.5 hours per week through the



Some of the developments in the Divisional/Professional Libraries are described below.

Increased emphasis was given to publicizing the collections and services of the Business Library.

A change in the lending policy of the Resource Centre of the Education Library, combined with an extension of its hours of opening, led to an all-time high for the circulation of non-print material in February when 2,996 items were borrowed.

User awareness of the on-line data base services was reflected in the 37% increase in interlibrary loan requests in the Engineering Library. The number of Medline searches in the Health Sciences Library increased from 644 in 1976-77 to 1,495 in 1977-78.

Progress was made in weeding the treatise collection in the Law Library, and in transferring older editions and infrequently used books to the storage shelving in the basement of the Law building. Planning was undertaken to study the alternatives for the relocation of services within existing facilities and to estimate future space requirements.

The most crucial problem in the Music Library was the shortage of space. A short-term solution to the problem was the provision of additional shelving space in Talbot College to accommodate the growth of the collection.

To improve access to the collection in the Natural Sciences Library, the card catalogue was divided into Author/Title and subject sections.

#### LIBRARY SPACE

Four of the eight Libraries are either in excess of shelving capacity or rapidly approaching capacity. The campus Depository Library, which houses the less-frequently used materials from the Libraries, will be filled to capacity prior to 1980.

During the past three years, a wide range of alternatives for housing the collections were studied, and a long-range plan was put forward. This plan was approved in principle by the Library Council, SCUD and the Senate.

In view of the severe financial constraints on the University, the long-range plan for library space could not be implemented. Therefore, a reduced or minimal space plan was developed. This plan recommends a two-level addition (one level below grade, one above grade) to the Research Depository Library, located on the lower level of the Dental Sciences Building. This addition would provide space to house approximately 500,000 volumes.

Despite various approaches that have been taken to extend the use of existing space (additional shelving, weeding collections and greater



During the last eleven years, using 1967-68 as the base years, the number of circulation transactions increased 183%, while enrollment increased 110%.

	<u>Circulation</u>	<u>Enrollment(FTE)</u>	<u>Average Use Per Student of Circulating Materials</u>
1967-68	288,228	9,397	31
1968-69	396,058	11,287	35
1969-70	449,885	13,235	34
1970-71	500,011	15,586	32
1971-72	545,832	16,934	32
1972-73	614,014	17,153	36
1973-74	683,077	18,566	37
1974-75	801,055	19,611	41
1975-76	897,677	20,646	44
1976-77	922,758	20,489	45
1977-78	815,300	19,736	41

In-Library Use of Materials

<u>Libraries</u>	<u>1975-76</u>	<u>1976-77</u>	<u>1977-78</u>
The D.B.Weldon	579,663	498,262	570,434
Law	178,740	197,584	197,998
Health Sciences	97,702	96,937	101,911
Music	72,596	77,760	81,271
Natural Sciences	96,742	93,862	101,149
Education	34,826	32,928	28,578
Business	43,426	41,406	81,316
Engineering	16,104	22,924	22,629
	=====	=====	=====
<b>TOTAL</b>	<b>1,119,797</b>	<b>1,061,663</b>	<b>1,185,286</b>
<b>INCREASE FROM 1976-77</b>		<b>11.65%</b>	



Reference/Information Services

<u>Libraries</u>	1975-76 <u>Questions</u>	1976-77 <u>Questions</u>	1977-78 <u>Questions</u>
The D.B.Weldon	90,814	104,622	110,384
Health Sciences	11,120	8,327	20,107
Education	14,338	13,512	18,868
Music	14,338	16,727	15,689
Engineering	6,993	5,905	6,448
Natural Sciences	7,749	7,916	9,271
Law	2,919	3,160	3,066
Business	9,335	12,009	19,976
	=====	=====	=====
TOTAL	157,349	172,178	203,809

INCREASE OVER 1976-77

18.38%

Reference/Information Services

<u>Libraries</u>	1975-76 <u>No. of People on Tours</u>	1976-77 <u>No. of People on Tours</u>	1977-78 <u>No. of People on Tours</u>
The D.B.Weldon	2,564	1,667	1,549
Health Sciences	249	200	174
Education	523	435	247
Music	365	251	186
Engineering	82	81	15
Natural Sciences	87	106	99
Law	152	43	96
Business	45	268	152
	=====	=====	=====
TOTAL	4,067	3,051	2,518

DECREASE OVER 1976-77

(17.47%)



Interlibrary Loans  
To/From OCUL Libraries  
1977-78

	<u>MATERIAL SENT</u>	<u>MATERIAL RECEIVED</u>	<u>BALANCE (DEFICIT)</u>
Queen's	338	113	225
Lakehead	208	39	169
McMaster	434	148	286
Guelph	245	172	73
Brock	98	49	49
Laurentian	61	11	50
Trent	103	27	76
Carleton	128	71	57
Wilfred Laurier	65	37	28
York	193	173	20
Ottawa	80	52	28
Waterloo	155	255	(100)
Windsor	131	224	(93)
Toronto	148	318	(170)
	===	===	=====
TOTAL	2,387	1,689	698

Interlibrary Loans  
Non-OCUL Libraries  
1977-78

	<u>MATERIAL SENT</u>
National Library	71
CISTI	75
Other Ontario Libraries	3,004
Quebec Libraries	689
Other Canadian Libraries	980
USA Libraries	192
Other International Libraries	41
	=====
TOTAL	5,052

Materials include Volumes, Photocopies and Microforms.



STUDENT SERVICES  
REPORT OF THE DIRECTOR  
DR. THOMAS F. SIESS

The academic year 1977-78 presented many new challenges to the units which make up Student Services, as changes in enrolment began to have a marked impact on funding and program priorities. The uncertainties which face the University in general affect Student Services in a very special way. Anxiety about employment and the value of a university education is increasing sharply, and the Student Services staff is called on to deal with these concerns in many ways. These concerns are regularly expressed in residence and to the Awards Office staff in conjunction with financial counselling. This pressure is also evident in the large increase in students who came for individual counselling and group workshops at Counselling and Career Development.

The major changes which occurred during the year are indicated in the individual reports which follow. However, a few particular areas should be highlighted. The addition of the Platt's Lane housing complex, and the conversion of Glenmore from married to single housing, was a major change in the Housing Office. The smoothness with which the transition occurred speaks well for the kind of participatory governing structure which has been established in the Residences. The Awards Office had a smooth year operationally, but the major changes in OSAP created considerable concern and confusion for the coming year. Much of the planning for the next year had to be done in the absence of detailed information about changes in the program. Health Services carried out a very thorough planning exercise for both the Student and Staff-Faculty Services. As a result, we should be able to meet health care needs of the future more quickly and effectively, with no major additions to staff. Counselling and Career Development had a marked increase in demand this year. The addition of group workshops made it possible to cope with this demand with decreased staff. It is expected that CCD will be increasingly called upon to serve in an advisory and research role for various academic and administrative units. The UCC continues to expand its program offerings through the year, and embarked on a major new program with the Video-Tape program. The meetings of the Learned Societies on campus were centred in the UCC and many of the delegates were housed in the residences. Finally, the Office of the Director of Student Services took on two additional responsibilities. These are the functions of Liquor Licence Coordinator and the Coordinator of Handicapped Students. The latter function, particularly, will be a major undertaking in the coming year.

As in the past, Student Services staff have been active in many professional activities outside the University. Wesanne McKellar chaired a session on Women's Concerns at the Association of College Unions - International Fall Conference at the University of Michigan. John McClure was Regional Representative for the Association of Student Awards Officers of Ontario. Drs. Fred Pattison and Sarma Lauge both presented papers at the meeting of the Canadian Association of College and University Student Services (CACUSS), held at Waterloo. Dr. Jack Thurlow and Judy Leyshon were on the program committee for the Ontario College Health Association division of CACUSS. Gail Hutchinson,



## SUMMARY OF AID - 1977-78

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No. in Program	Program and Year	UNIVERSITY ADMINISTERED BURSARIES		UNIVERSITY ADMINISTERED SCHOLARSHIPS		UNIVERSITY LOANS		OTHER AWARDS BY FIRMS GOVT. DEPTS., ETC., MAKING OWN SELECTIONS		ONTARIO STUDENT AWARDS (GRANT PAYMENTS)		ONTARIO STUDENT AWARDS (CANADA STUDENT LOANS)		GRAND TOTALS	Total Assistance
		No. of Students	Value \$	No. of Students	Value \$	No. of Students	Value \$	No. of Students	Value \$	No. of Students	Value \$	No. of Students	Value \$		
348	Arts I	7	1,650.	33	24,300.	6	960.	199	40,025.	110	126,120.	124	128,000.	479	321,055.
354	" II	6	1,100.	14	11,400.	3	600.	20	14,426.	102	117,415.	128	122,670.	273	267,611.
401	" III	8	1,600.	34	13,675.	4	1,950.	23	19,101.	152	172,690.	184	180,270.	405	389,286.
188	" IV	10	2,550.	23	8,012.	4	2,000.	27	19,590.	64	99,240.	87	93,150.	215	204,542.
1,291	Totals	31	6,900.	104	57,387.	17	5,510.	269	93,142.	428	515,465.	523	524,090.	1,372	1,202,494.
153	Bus. Adm. III	1	150.	13	9,500.	-	-	6	4,894.	36	40,550.	42	44,970.	98	100,064.
138	" " IV	3	550.	8	2,900.	2	1,500.	5	2,697.	46	56,030.	55	57,160.	119	120,837.
291	Totals	4	700.	21	12,400.	2	1,500.	11	7,591.	82	96,580.	97	102,130.	217	220,901.
56	Dentistry I	-	-	7	6,000.	-	-	2	3,867.	28	46,190.	32	55,220.	69	111,277.
58	" II	4	775.	1	1,350.	-	-	5	5,082.	38	70,675.	42	74,700.	90	152,582.
52	" III	4	725.	3	400.	-	-	1	1,833.	45	92,840.	48	85,520.	101	181,318.
57	" IV	2	400.	8	800.	-	-	5	5,142.	40	65,720.	43	54,340.	98	126,402.
223	Totals	10	1,900.	19	8,550.	-	-	13	15,924.	151	275,425.	165	269,780.	358	571,579.
959	Education Totals	7	1,550.	6	2,600.	19	6,795.	19	14,630.	630	893,265.	670	708,955.	1,351	1,627,795.
243	Eng. Sc. I	6	1,000.	14	12,600.	-	-	22	5,192.	57	56,255.	73	68,385.	172	143,432.
234	" " II	4	900.	11	9,600.	1	500.	6	4,436.	55	54,725.	71	71,160.	148	141,321.
182	" " III	4	700.	9	6,800.	1	200.	6	8,804.	45	49,795.	63	64,370.	128	130,669.
152	" " IV	4	750.	7	5,000.	-	-	1	833.	64	64,330.	74	79,150.	150	150,063.
811	Totals	18	3,350.	41	34,000.	2	700.	35	19,265.	221	225,105.	281	283,065.	598	565,485.
152	Law I	9	1,600.	7	6,000.	-	-	3	1,700.	57	63,720.	65	73,190.	141	146,210.
152	" II	8	1,500.	6	1,850.	-	-	1	783.	100	114,430.	110	140,360.	225	258,923.
147	" III	7	1,450.	26	3,601.	4	1,100.	2	1,608.	108	122,860.	118	151,555.	265	282,174.
451	Totals	24	4,550.	39	11,451.	4	1,100.	6	4,091.	265	301,010.	293	365,105.	631	687,307.
107	Medicine I	12	3,050.	39	33,500.	-	-	5	4,967.	35	56,185.	42	50,920.	133	148,622.
102	" II	22	5,800.	29	28,050.	2	700.	5	3,237.	51	87,610.	55	82,835.	164	208,232.
106	" III	11	3,950.	15	3,650.	4	3,100.	11	8,327.	95	222,960.	92	139,390.	228	381,377.
102	" IV	14	3,050.	35	7,350.	12	5,350.	110	130,396.	72	96,375.	83	94,890.	326	337,411.
417	Totals	59	15,850.	118	72,550.	18	9,150.	131	146,927.	253	463,130.	272	368,035.	851	1,075,642.
37	Meds (Other) I	1	100.	4	2,800.	-	-	11	1,100.	10	14,110.	12	11,080.	38	29,190.
86	" " II	5	850.	7	6,400.	1	300.	1	1,099.	26	30,090.	29	29,120.	69	67,859.
79	" " III	5	700.	10	5,200.	-	-	5	3,967.	16	19,450.	21	21,630.	57	50,947.
86	" " IV	1	150.	6	1,700.	-	-	2	1,593.	28	42,595.	31	33,630.	68	79,668.
288	Totals	12	1,800.	27	16,100.	1	300.	19	7,759.	80	106,245.	93	95,460.	232	227,664.
150	Music I	1	100.	8	7,600.	1	100.	35	5,117.	54	66,255.	67	73,400.	166	152,572.
152	" II	5	650.	7	6,050.	1	200.	7	4,575.	39	36,410.	57	50,080.	116	97,965.
165	" III	6	1,450.	3	950.	2	1,300.	5	3,026.	61	60,160.	78	76,670.	155	143,556.
67	" IV	5	1,300.	7	2,600.	1	175.	3	2,117.	26	29,920.	33	35,540.	75	71,652.
534	Totals	17	3,500.	25	17,200.	5	1,775.	50	14,835.	180	192,745.	235	235,690.	512	465,745.
72	Nursing I	1	300.	4	3,100.	-	-	6	3,025.	21	23,560.	25	24,570.	57	54,555.
93	" II	2	600.	2	1,900.	1	600.	2	1,080.	32	46,270.	39	43,900.	78	94,350.
77	" III	3	600.	-	-	1	200.	3	4,439.	28	42,830.	32	36,980.	67	85,049.
70	" IV	2	300.	2	1,800.	-	-	2	1,747.	35	49,490.	42	44,270.	83	97,607.
312	Totals	8	1,800.	8	6,800.	2	800.	13	10,291.	116	152,150.	138	149,720.	285	331,561.
290	Phys. Ed. I	4	850.	7	4,900.	4	800.	24	5,345.	93	99,955.	109	105,160.	241	217,010.
198	" " II	3	500.	-	-	1	200.	-	-	53	59,350.	76	69,140.	133	129,190.
166	" " III	5	950.	-	-	2	700.	5	3,497.	62	63,425.	80	76,920.	154	145,492.
92	" " IV	4	800.	2	1,300.	-	-	3	2,297.	48	51,465.	50	48,990.	107	104,852.
746	Totals	16	3,100.	9	6,200.	7	1,700.	32	11,139.	256	274,195.	315	300,210.	635	596,544.
1,284	Science I	18	3,650.	172	144,800.	1	400.	296	52,953.	326	354,180.	383	374,140.	1,196	930,123.
787	" II	13	2,800.	77	71,825.	7	1,700.	17	11,612.	197	222,635.	243	238,600.	554	549,172.
591	" III	14	4,200.	38	23,625.	3	850.	13	9,123.	158	159,430.	204	206,505.	430	403,733.
293	" IV	6	1,750.	32	14,850.	1	500.	8	6,177.	103	110,235.	119	126,475.	269	259,987.
2,955	Totals	51	12,400.	319	255,100.	12	3,450.	334	79,865.	784	846,480.	949	945,720.	2,449	2,143,015.
1,408	Soc. Sc. I	24	4,700.	52	40,150.	7	1,250.	190	48,252.	343	361,465.	414	405,970.	1,030	861,787.
1,423	" " II	27	5,450.	31	27,600.	6	1,850.	49	35,543.	351	355,360.	450	443,480.	914	869,283.
1,141	" " III	15	3,350.	29	14,070.	8	1,950.	31	22,333.	343	357,160.	412	406,020.	838	804,883.
303	" " IV	9	2,155.	16	6,100.	12	4,650.	28	12,931.	120	137,655.	142	148,875.	327	312,366.
4,275	Totals	75	15,655.	128	87,920.	33	9,700.	298	119,059.	1,157	1,211,640.	1,418	1,404,345.	3,109	2,848,319.
13,553	Undergrad. Constituent Totals	332	73,055.	864	588,258.	122	42,480.	1,230	544,518.	4,603	5,563,408.	5,449	5,752,305.	12,600	12,564,024.
315	Brescia Totals	3	2,179.	55	19,996.	-	-	30	5,100.	77	76,005.	93	89,950.	258	193,230.
582	Huron Totals	11	6,575.	34	27,624.	-	-	125	33,485.	116	117,530.	140	136,570.	426	321,784.
1,061	King's Totals	8	1,800.	138	32,400.	-	-	103	25,853.	317	322,290.	390	370,490.	956	752,833.
1,958	Affiliate Totals	22	10,554.	227	80,020.	-	-	258	64,438.	510	515,825.	623	597,010.	1,640	1,267,847.
15,511	Undergraduate Totals	354	83,609.	1,091	668,278.	122	42,480.	1,488	608,956.	5,113	6,079,233.	6,072	6,349,315.	14,240	13,831,871.
460	M.B.A.	-	-	-	-	4	1,200.	-	-	159	193,165.	247	276,260.	410	470,625.
137	S.L.I.S.	-	-	-	-	-	-	-	-	77	120,335.	97	120,715.	174	241,050.
1,027	Other Grads.	2	750.	-	-	10	2,353.	-	-	143	179,015.	191	217,010.	346	399,128.
1,624	Total Grads.	2	750.	(2) -	(2) -	14	3,553.	(2) -	(2) -	379	492,515.	535	613,985.	930	1,110,803.
17,135	GRAND TOTALS	356	84,359.	1,091	668,278.	136	46,033.	1,488	608,956.	5,492	6,571,748.	6,607	6,963,300.	15,170	14,942,674.

(1) Medicine (Other) is a combination of the Programs in Communicative Disorders, Physical Therapy and Occupational Therapy. With the exception of Occupational Therapy, students are not accepted into the Program until completion of First Year of University Studies.

(2) The Faculty of Graduate Studies has undertaken to report on assistance in these areas independently, in future.



Marriage and Couples Preparation (5 week series of lectures and discussions); South Africa Film Series (intersession); chaplains also participated in the UCCD sponsored Third Testament film series.

Increased effort has been made this past year to involve the faculty in events which provided a setting for ethical reflection often in an interdisciplinary context. The chaplains have established a mailing list of over 150 people who are interested in the work of the chaplains. A number of breakfasts were held during the year to which these people were invited; speakers addressed issues of importance to the University and to society. During intersession selected faculty members from law, business, nursing, and computer science were invited to informal luncheons in the chaplains' centre. Here an opportunity for discussion was provided which was mutually enriching and informative for both the chaplains and the faculty. A sherry party was hosted for faculty and staff in June.

The chaplains were represented on the Program Committee of the UCCD. The coordinator of the chaplains participated in the weekly staff meetings of the Student Services Directors. An exchange program with Laval University resulted in mutual visits between one UWO and one Laval chaplain.

The Chaplains' Centre was staffed throughout the year - including intersession and summer school - to serve the needs of those who drop by for conversation, counselling, prayer, or meditation. Pastoral counselling skills available through the chaplains' office continue to be utilized by students, faculty and staff. Chaplains are present in the office on a rotating basis due to the lack of office space. Appointments can be made with any of the chaplains for individual consultations at other times.

The chaplains offered regular opportunities for worship on or near the campus throughout the year. Times and places of worship continue to be posted on the bulletin board outside the centre. Ecumenical worship sponsored by the chaplains' team was provided for the campus community on Remembrance Day and Ash Wednesday (Ten Days for World Development).

Chaplains also sponsored various events through their respective denomination communities. These activities included retreats, Bible study, ethical reflection groups, community concern action groups, e.g. visiting hospital patients, and social activities. In addition, the chaplains performed marriages, provided references and recommendations for students, acted as theological resources, supported social conscience movements, shared prayer, gave assistance with housing, provided articles and letters for the Gazette, and served as community resources, e.g. community meetings discussing the federal prison proposal, local church programs, etc.

#### COUNSELLING AND CAREER DEVELOPMENT SERVICES: A. B. Scheid, Director

Counselling & Career Development embraces five basic areas: General Counselling, Career Counselling, Study Skills Counselling, Foreign Student Advising, and Placement.

Counselling & Career Development is convinced that efficiency must be pursued



with a total of 371 employers who are part of their regular mailing list. It also coordinates part-time temporary employment for Western students. Last year 587 employers listed 1008 openings in this program. In terms of summer employment, the service registered 2560 Western students, of which it was able to refer 1145 directly to specific opportunities. The alumni benefitted from 479 counselling interviews and 263 direct job referrals.

CCD staff has been increasingly active in general campus involvements. In the past year CCD staff have cooperated with, or consulted with, many academic and administrative units, on a variety of projects.

In addition, CCD conducted the employment survey for all 1977 University graduates. Study Skills packages were presented in many introductory classes - especially Psychology 020. Study Skills counsellors also initiated a new and potentially very fruitful area of work with mature students. Communication Skills workshops were conducted for students in Communicative Disorders. A preliminary study of students' reasons and processes in selecting an honors or a general program was conducted for the Formula Weights Committee. CCD staff also provided professional experience and supervision for interns and practicum students from both the Psychology Department and the Faculty of Education. CCD staff also taught several courses within the University calendar.

During the past year, Dr. Kevin Murphy resigned as Director of CCD, to be replaced in January 1978 by Dr. August Scheid. In June 1978, Dr. Tony Thompson resigned after serving in CCD for five years. Along with his regular duties, he established the "satellite" centre in the Faculty of Education. In March 1978, Mr. Terry Smith also resigned. Due to budget restraints, Mr. Smith will not be replaced. Part of his salary will be used to hire a part-time Study Skills counsellor in the new fiscal year. Ms. Wendy Coneybeare was added to the staff as a clerk-receptionist, and Miss Sue Williamson replaced Ms. Janet Stein as information clerk in the Careers Resource Centre. Ms. Sandy Waliczek also left her position in the Placement Centre.

HEALTH SERVICES: H. J. Thurlow, Director

Student Health Services

The utilization of the Medical Centre in Student Health Services continued to stabilize at approximately 32,000 visits per year (3.8% decrease). Counselling visits were reduced 11.6%, whereas Athletic Injuries showed a growth of 14.8%.

The activity report of Student Health Services is summarized as follows:

	<u>TOTAL # OF VISITS</u>		<u>% Increase (Decrease)</u>
	<u>1976/77*</u>	<u>1977/78*</u>	
Medical Centre:			
Drop-in & Appointments	26,300	24,863	(5.5%)
Allergies & Immunizations	5,801	6,005	3.5%
	<u>32,101</u>	<u>30,868</u>	<u>(3.8%)</u>

/Contd.



In June, 1977, an advisory committee for Staff/Faculty was formed with representatives from areas within the University, as well as from the occupational health field outside the University. The purpose of this committee was to review the present activities of Staff/Faculty Health Service and to explore other areas of service to U.W.O. staff and faculty.

As a result of the meeting of this committee, two suggestions were pursued:

- 1) Advertising: Posters were distributed to all areas within the University to make staff and faculty aware of the services offered;
- 2) Research: A project was carried out this Spring to ascertain the health needs of the University community.

This year the department expanded its role by the addition of a physician's services four hours per week. Since this proved to be a most beneficial and well received service, these hours were increased to eight hours per week in February, 1978.

Due to the increased numbers utilizing the service, renovations were made to improve existing facilities, enabling the department to function more efficiently.

HOUSING OFFICE: A. K. Knill, Director

The number of housing units available to students registered at the University this year was substantially greater than in previous years. This situation occurred largely as a result of the completion of Phase 1 of Platt's Lane Estates, the University's family housing development, and the subsequent conversion of the Glenmore Apartments to single student occupancy, which increased the number of student housing units on campus. Thus the University and the city, with their combined resources, were again able to offer a sufficient number of beds to accommodate all of the students registered at Western.

As previously noted, Phase 1 of Platt's Lane Estates was completed by the fall, and the design, financing, construction and operation of the 250 units was the major preoccupation of the Housing Department during the year. As a result of the expertise and excellent cooperation received from the Central Mortgage & Housing Corporation, Ronark Developments, Proctor & Redfern, R. Murphy Architects, and the various University departments involved with this project, especially the Physical Plant Department, the first phase of the project was completed on time, and within the established budget guidelines. The final phase of the project, which consists of an additional 150 units, will be completed by September 1978, and Western will then possess one of the finest, and most versatile, married student residence complexes in Canada.

The gradual conversion of the Glenmore Apartments from a married to a single student residence is proceeding most harmoniously, and relations between the two groups are most positive. The single students living in the Glenmore Apartments have proved to be excellent tenants, and the general student body is pleased that Western now offers an alternative living style on-campus, to the "traditional-style" single student residences.



casual visitors and 3,800 adult Conference Group participants. These registrants resulted in a total of 44,700 bednights. The total revenue derived from the summer operation, which includes all of the above participants, was \$908,000, which compares to a total of \$704,000 for the previous year, an increase of approximately 29%. The 1977 revenue total is comprised of \$391,000 for residence room rental, and \$377,000 for residence food services. Thus other University services such as the Physical Plant Department and the campus Food Services Department derived \$140,000 in revenue from the residence conference operation. Residence rates for accommodation and meals were increased by approximately 10% for the 1977 summer season.

This year, as previously noted, the Glenmore Apartment complex began its conversion from a married student residence to a single student residence. As the married students graduated, they were replaced by single students. By September, approximately 40% of the units were occupied by married students, and 60% of the units were occupied by single students. All of the apartments were filled for the academic year. The financial situation of the apartments remained sound, despite a higher than normal summer vacancy factor, which may be attributed to the problems associated with the conversion of the complex to a single student residence. The annual operating budget of \$836,000 showed a surplus of \$16,000 by the end of the year, which has brought the total funds in the Operating Reserve to \$93,000. The Residence Reserve Account for the replacement of Major Building Components and Furniture and Fittings stood at \$312,000 at the end of the fiscal year. The rental rates for the units ranged from \$166 to \$214 for incumbent married tenants, and \$183 to \$243 for new single student tenants. The funds accumulating from the difference in the rental structure between the incumbent and new tenants, some \$30,000, were used as an "equalizing fund" to keep the rents in Platt's Lane Estates, Inc. development of a comparable nature to the rents charged to the new tenants in the Glenmore complex. The year saw the inception of the Glenmore Apartments Residents' Council, under the auspices of the Senate Subcommittee on Residence Operations. The Council and the staff of the residence drafted a Constitution, organized the Glenmore reading room, and did the necessary groundwork to ensure a full calendar of activities in 1978-79.

By September, the construction of Phase 1 of Platt's Lane Estates was completed, and thus the University's new family housing development was opened. Phase 1 consists of 24 one-bedroom apartments, 72 two-bedroom apartments, 108 two-bedroom townhouses and 46 three-bedroom townhouses. The rental rates for the accommodation ranged from \$200 to \$275, and depending on the chosen accommodation, the tenant was also required to pay utility and heating charges. By the end of the year, approximately 85% of the available accommodation had been rented. The financial position of the complex was sound during the year, and it only experienced a deficit of \$800 on the total operating budget of \$388,000. Reserve accounts for the replacement of Major Building Components and Furniture and Fittings were commenced during the year, with \$32,000 being credited to these accounts. By September 1978 the whole of the Platt's Lane Estates development will be completed, and 400 units will become available for married students. It is anticipated that with the continuance of the Glenmore Apartments rent equalization program, this operation will remain financially sound.

In the spring, the Off-Campus Housing Service once again contacted all land-



expand its functions and has contributed to several UCCD programs: the annual Art Show and Sale, the highly successful summer Craft Fair, Christmas Boutique, Spring Craft Fair, and Photo competitions. The Manager also arranged three exhibitions which were mounted in the Music Listening Lounge.

The Elbow Room Tavern has, over the year, undergone considerable renovations: carpet replaced, chairs re-upholstered, new sound system, and new wall decor.

The Athletic and Recreational Services begun in February 1977 is fully operational and, with a full year's cycle under the belt, has most of the "growing pains" solved.

Two leases were successfully renegotiated this year, the Piccadilly General Store and Ruse Travel Agency. The new procedure, allowing the Director to act as negotiator with the lessee on behalf of the University and the Directorate has served two important functions. The Directorate has had input into the terms of the lease, and the lessees have expressed a feeling of confidence in the procedure.

The Directorate has committed the University Community Centre to host the 1979 fall ACU-I, Region VII Conference. This will mark the first Region VII conference to be held in Canada and we plan to make it "one to remember".

The Director of the UCC also serves as Program Director for the Centre. The Program events this year can be classified in four groups: On-going (Noon-hours, films, etc.); Special events (plantery, Art Show, Craft Fair, Alumni Dinner Dance); Co-sponsored with USC (chess tournament, Print Sale, Orientation); New Events (dances, Mini courses, VTN experiment). The programming area has expanded markedly in a relatively short period of time. However, any appreciable expansion will be hampered by lack of sufficient staff. Any comparable and indeed less ambitious program at other University Centres is handled by a full-time Program Director and usually two full-time Program Assistants. Present staff and Program Crew are committed to capacity at the current level of programs in the UCC. Programming reflects on the Centre itself and plays a large role in fulfilling the purpose and objectives of its very existence. Because Programming is a professional expertise in itself it behooves the Directorate and staff to be knowledgeable and aware of its operations. The Program Workshop held by the Program Policy Committee was very valuable and worth repeating on an annual basis.



## REPORT OF THE DIRECTOR

DEPARTMENT OF ALUMNI AFFAIRS - 1977 - 1978

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During the 1977-78 year the Department of Alumni Affairs operation expanded yet again. Some 5,666 new alumni were added to the records bringing the total to 67,567. During the year approximately 35,000 record changes were made, and the current number of "lost" alumni is 1,755. This continuing growth of alumni on file has caused concern about the ability of the Department to meet the increasing demands placed on it by the University and the Alumni Association.

Nigel G. Bellchamber resigned his post as Director in September to accept an appointment with the Provincial Government, and this position was filled by Elmer J. McLeod in November. During that same period the secretary to the Director, Mrs. V. Ison resigned and her place was filled by Miss B. Bergen. The bulk of the administrative work for Homecoming thus fell on Miss Doreen Burr, the Assistant Director.

Homecoming 1977 surpassed all previous reunions with a record 53 classes totalling 4,300 alumni taking part in the festivities. Once again the Parade was a success. All events were well attended and included Registration, the Donut Dunk, the Honour Society Luncheon, the Football Game, the "W" Club function, and the Physical Education "Roast". The Alumni Association honoured eight individuals for their contribution to Western at the Annual Award of Merit Buffet. The recipients were: Nigel Bellchamber, Dr. R.J. Bowen, Fred G. Brown, Dr. Wilfred Jury, Dr. Stuart Lauchland, Jessie MacFarlane, Dr. James J. Talman, and Dean Jack Wettlaufer.

Alumni publications continue to play a major role in meeting the purpose of the Department "to communicate with the Alumni". The Alumni Gazette is published quarterly, and has had its best year. The articles on Western's Centenary have received many plaudits. Newsletters from "W" Club, Law, Chemistry, Engineering Science, Nursing, and Geography supplement the information contained in the Gazette.

A Gala Concert marked the official opening of Western's Centenary on the 15th of January. Lieutenant-Governor Pauline McGibbon unfurled the Centenary flag. Nearly 1900 people witnessed performances in Alumni Hall, by London's Sinfoni, Quartet Canada, and Nimmons 'n' Nine plus Six. A fireworks display and a champagne reception followed the Concert.

Douglas J. McDonald, B'61 was elected President of the Alumni Association at their Annual Meeting on March 4th, 1978. He stressed that the Alumni should raise money to assist Western from the private sector both in Canada and throughout the world. In addition he asked the Council to take a more active role in the day to day running of the University. The other officers include Past President, Gordon Whitehead, A'65; First Vice-President, George Clark, A'66, and Second Vice-President, Eva Good, N'64. Peter C. Maurice, E.Sc'60 was appointed as one of two alumni representatives to the Board of Governors, to serve until June 1981. Larry D. Smith, L'64, the Past President of the St. Thomas Alumni Branch was appointed to serve on the U.W.O. Senate for a two year term.



The operation of Alumni Placement Service is shared with Student Services. These activities necessitate active liason with the university and the business communities and with all programs with Counselling and Career Development and with Alumni Affairs. During the year 479 Alumni were counselled on a one to one basis while there was a total of 263 Alumni in the active file for referral to available positions. As a result of a file update card 89% indicated that the service has been of position assistance.

A computer terminal will be installed this summer in the Alumni Office. It is imperative the "on line update" should follow, and thus reduce the overwhelming workload that now exists keeping addresses up to date. Dave Morash, the Systems Analyst is most cooperative and works closely with the Alumni staff on all programs. I must report on the dedication of the Alumni staff to meet the varied and increasing demands placed on them by Centennial, as well as routine events. The leadership shown by Miss Doreen Burr and Gregory Treehuba under difficult circumstances has been outstanding.



## Report of the Director

1977-78

The Advisory Committee has now been restructured to include members from outside the University. Dr. R.E. Barrington of the Communications Research Centre, Ottawa and Dr. J.H. de Leeuw, Director of the University of Toronto Institute for Aerospace Studies have agreed to serve on this committee.

During the past year the Centre has continued to prosecute a broad research program in the basic and applied aspects of electromagnetic wave propagation. In addition, because of the growing reputation of the Centre, its members, both collectively and individually, have been called upon more frequently to assist NRC and various federal government departments with planning and evaluation of science programs related to radio science. This year there is a decline in grant funding for basic research (due in part to the absence of major equipment grants) and an increase in contract funding for applied research. Since all of the contract research has grown out of the basic research program it is important to maintain a balance between grant-assisted and contracted research and to protect the continuity of the basic research.

The total grant funding for the last four years and the current year is as follows:

1974-75	1975-76	1976-77	1977-78	1978-79
\$115,000	\$123,700	\$184,400	\$202,742	\$122,000

In contrast to the decline in grant funding, the contractual funding presently assured is \$177,000 as compared with \$120,000 in 1977-78.

The interim results achieved in three of the contract projects (undertaken on behalf of the Department of Communications) deserve mention. The measurement of signal strengths of 16 VHF and UHF TV transmitters each located more than 150 km from London has revealed unexpected daily variations and investigations are now under way to see if these variations can be understood in terms of the micro-meteorology of the various paths. Another project which measures the deviations from line-of-sight propagation experienced on a typical microwave transmission path has revealed that the deviations are less complex than expected and this new understanding will simplify the engineering of new high capacity microwave systems. The study of the effects of the arctic ionosphere on the transmission of UHF and microwave signals from a satellite to a ground station has just begun but already the observations (made at Cambridge Bay, NWT) have confirmed that the signals are profoundly affected by the ionosphere at high latitudes. The results will assist in planning the use of satellites for surveillance of northern shipping.

The present strength of the Centre is:

Full Members:	13
Associate Members:	8
Student Members:	6



1977/78

THE COMPUTING CENTRE  
Report of the Director

Mr. G. T. LAKE

The use of Computing Centre services continued to expand in 1977/78. As the accompanying table shows, more user jobs were processed on the Cyber batch system and the DEC timesharing system than in any previous year.

A major activity in the Centre over the past year has been planning for the replacement of the PDP-10 timesharing computer, installed in 1968. In early 1977 a Committee comprising members of the academic community and staff of the Centre was appointed, to prepare specifications and select suitable equipment. A request for proposals was issued to potential suppliers in August 1977 and responses were received from six companies. These replies were screened by the Committee, extensive tests were carried out on the most promising systems, and detailed contract negotiations were conducted with two final vendors. It was finally concluded that a DECsystem-1090 computer would best meet the University's needs for a central timesharing computer. An order was placed for delivery in early July, to ensure availability at the beginning of Fall 1978 classes. The new system is a direct descendent of the existing PDP-10 design so that minimal disruption of user activities will accompany its installation.

As a result of a growing need to replace the IBM-1130 computer in Engineering and new needs for computing for Statistics and Mathematics, the Centre participated in a study of requirements and developed a plan to install new equipment in the Engineering and Mathematical Sciences Building to serve the needs of the Faculty of Engineering Science and the Mathematics and Applied Mathematics departments in the Faculty of Science. This new equipment will be operated and managed by the Centre for the use of the departments concerned.

The Fall of 1977 saw the formal opening of facilities in the Faculty of Arts to assist students in the study of foreign languages using the computer. Four computer terminals are available to students, with associated programs to carry out drill sessions in French and German vocabulary. This has been well received by students and faculty and represents a radical departure from the more classical use of computers in the hard sciences. Several other universities have expressed interest in this activity as well.

All other services provided by the Centre have continued to be active during the year, and despite budget pressures have been maintained at a high level of quality.



REPORT OF THE DIRECTOR  
UNIVERSITY COUNCIL ON ANIMAL CARE  
1977-1978

255

Dr. D.H. Percy

The Council meets on at least two occasions during the academic year (Chairman: Dr. T.K. Bourns, Department of Zoology). The Council is primarily concerned with policies on matters such as appropriate animal housing and care, animal experimentation, and the financial support of the various animal facilities on campus.

A) ACTIVITIES

1) Assessment by the Canadian Council on Animal Care (CCAC)

An assessment panel visited animal facilities at the University and local hospitals on February 28 to March 2, 1978. The subsequent CCAC Report stressed the need for improved animal facilities in the Department of Zoology.

2) Inspections by Representatives of "The Animals for Research Act" (Ontario)

Dr. R.S. Moore, Veterinary Inspector has made several visits during the past academic year. Criticisms have been noted and appropriate changes implemented.

3) Health Care Programs for Animal Care Personnel

Under the direction of Health Services, U.W.O., appropriate personnel have been immunized against rabies. Additional health care programs include tetanus immunization and regular tuberculin testing.

4) Diagnostic Laboratory, Laboratory Animal Services

The Laboratory serves as a means to monitor the health status of animal colonies at the University. A total of 255 necropsies were performed from July 1, 1977 to June 30, 1978. Species most commonly examined were rabbit, rat, cat, mouse, dog, hamster, and nonhuman primate.

B) ACTIVITIES AT THE LOCAL LEVEL

1) Health Sciences and University Hospital Animal Care Committees

(Chairman: Dr. K.K. Carroll [Health Sciences], and Dr. W.A. Black [University Hospital]). A new cage washer (purchased through Provincial Lottery funds) has been installed in the Health Sciences Animal Quarters.

2) Cancer Research Laboratory

(Dr. J.A. McCarter) No animal care related problems were encountered during the past year.

3) Department of Psychology

(Dr. N.K. Innis) Improvements have been made in the pigeon facility, roof area, Social Sciences Centre.

4) Department of Zoology

(Dr. W.H. Tam) Animal facilities in the Collip Building continue to be a major issue. It is anticipated that problems such as inadequate space during periods of peak usage and the need for upgrading the physical plant may be resolved during the current academic year.

5) St. Joseph's Hospital

(Dr. L.A. Hatch, Chairman, Animal Care Committee, and Dr. P.G. Harding, Chairman, Research Committee) Plans for the construction of a Research Institute, St. Joseph's Hospital are currently in progress. The proposed six story building will have one floor designed for the housing of research animals.

6) Victoria Hospital

(Dr. Roger Inch) With the current relocation of Victoria Hospital to the Westminister Hospital site, plans for a new animal facility are in progress.



DEPARTMENT OF FINANCE

## Report of the Director

W.S. McBride

This report is presented under the following headings:-

- University Financial Results for the Year Ended April 30, 1978.
- Summary of Finance Department Activities.

1. University Financial Results for Year Ended April 30, 1978

The financial results for the year were somewhat better than had been anticipated in the budget. A brief analysis of the basic operating budget, ancillary operations, assisted research and capital funds is outlined below:-

(a) Basic Operating Budget

A comparative statement of operating revenues and expenses is shown on page 262.

The following is a summary:-

	<u>Year Ended April 30, 1978</u>	
	<u>Budget</u>	<u>Actual</u>
	(\$000's)	
Revenues	\$87,109	\$87,413
Expenses	<u>87,168</u>	<u>87,571</u>
Operating deficit before the following	\$ (59)	\$ (158)
Reduction of expenses applicable to prior years:		
Computing Centre inventory	-	138
Life Insurance rebate	-	<u>176</u>
Operating (deficit) surplus	<u>\$ (59)</u>	<u>\$ 156</u>

Actual revenue exceeded the budget by \$304,000 while actual expenses were in excess of budget by \$403,000, resulting in an operating deficit for the year of \$158,000. However,



(c) Assisted Research

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	Actual for Year Ended <u>Apr. 30/77</u>	Actual for Year Ended <u>Apr. 30/78</u>
	(\$000's)	
<u>Source of Research Funds</u>		
Government Agencies		
- Federal	\$ 7,523	\$ 7,938
- Provincial	939	1,264
- Foreign	207	861
Foundations, Associations and Societies	2,459	2,675
Corporations	1,168	713
Donations and Bequests	1,111	1,289
Other	44	142
	<u>\$13,451</u>	<u>\$14,882</u>

Total research revenues for the year ended April 30, 1978 amounted to \$14,882,000, an increase of 10.6% over the previous year. All sources of research funds were higher except for grants and contracts obtained from corporations.

(d) Capital Funds

	Actual for Year Ended <u>Apr. 30/77</u>	Actual for Year Ended <u>Apr. 30/78</u>
	(\$000's)	
<u>Source of Funds Expended</u>		
Government Grants		
- Ontario Universities Capital Aid Corporation	\$ 616	\$ 571
- Ontario Health Resources Development Plan	338	7
- Ministry of Colleges and Universities	276	366
Central Mortgage and Housing Corporation	4,092	5,220
University Funds	840	2,330
Total	<u>\$ 6,162</u>	<u>\$ 8,494</u>

Funding from the Ontario Universities' Capital Aid Program and the Ontario Health Resources Development Plan continued at low levels during the year, reflecting Provincial government policy relative to new capital projects. During 1977-78, the



## Funding Graduate Programs.

With regard to the Planning of Graduate Studies, the Council identified its objectives for the next quinquennium, i.e. 1979-80 through 1983-84, and outlined its views on the planning processes that should pertain. In summary, the Council's objectives centred on quality, selectivity and prevention of further duplication of graduate programs.

With respect to Graduate Program Funding, the Council outlined its thinking on (a) Criteria for Funding of New Graduate Programs during the First Quinquennium, and, (b) Proposed Funding Mechanisms for the First Quinquennium. The criteria relative to new programs indicated that it will be much more difficult to obtain funding approval in the future than in the past. With regard to proposed funding mechanisms, the Council was of the opinion that funding for masters programs should be on the same basis as currently exists for undergraduates. For doctoral programs, the Council's opinion was that funding for this area should be further desensitized from enrolment shifts through the introduction of a two-thirds discount factor as opposed to the 50% discount factor that currently applies to undergraduates.

The Council expects to forward its final recommendations to the Ministry on graduate program planning and funding in the fall of 1978.

### (b) Long-Range Planning

The Department continued to work closely with the Office of the President and other departments in the further development of a long-range, i.e. five-year, financial planning process in the University. In view of indicated enrolment and financial trends, it is essential that the University prepare long-range financial projections that are sufficiently reliable to form the basis for academic planning and the short-term budgeting process.

### (c) Budgeting

The Department plays a significant role, in conjunction with the Office of the President and the Senate Budget and Finance Committee, in the development of resource allocation policy. With reduced enrolment and availability of resources, resource allocation policy and process is of extreme importance to the continuing welfare of the University. In particular, resources will have to be allocated on a more selective basis in the future than has been the case in the past.



THE UNIVERSITY OF WESTERN ONTARIO

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STATEMENT OF OPERATING REVENUE AND EXPENSE

YEAR ENDED APRIL 30, 1978

(with comparative amounts for the  
year ended April 30, 1977)

OPERATIONS

	<u>1977</u>		<u>1978</u>	
	<u>(\$000's)</u>	<u>%</u>	<u>(\$000's)</u>	<u>%</u>
<b>Revenue:</b>				
Government Grants				
Province of Ontario				
- Formula Operating Grant	\$62,433	77.3	\$66,925	76.6
- Municipal Tax Grant	814	1.1	799	0.9
- Other	273	0.3	274	0.3
City of London	150	0.2	150	0.2
Other Municipalities	39	-	43	-
	<u>63,709</u>	<u>78.9</u>	<u>68,191</u>	<u>78.0</u>
Other				
Student Academic Fees	12,345	15.3	14,267	16.3
Gifts and Grants	179	0.2	182	0.2
Receipts for Services to Other Organizations	2,605	3.2	2,957	3.4
Investment Income	1,354	1.7	1,339	1.5
Miscellaneous	544	0.7	477	0.6
	<u>17,027</u>	<u>21.1</u>	<u>19,222</u>	<u>22.0</u>
<b>Total Revenue</b>	<u>80,736</u>	<u>100.0</u>	<u>87,413</u>	<u>100.0</u>
<b>Expenses:</b>				
Academic	50,388	62.2	54,868	62.7
Academic Support Units	9,495	11.7	9,756	11.1
Student Services	1,980	2.4	2,125	2.4
Administration	3,791	4.7	4,066	4.6
Physical Plant	7,241	8.9	8,208	9.4
Staff Benefits	6,445	8.0	6,931	7.9
Other	1,709	2.1	1,617	1.9
	<u>81,049</u>	<u>100.0</u>	<u>87,571</u>	<u>100.0</u>
Deficiency of Operating Revenue Over Expenses Before the Following	(313)		(158)	
Reduction of Expenses Applicable to Prior Years:				
Computing Centre Inventory	-		138	
Life Insurance Rebate	-		176	
	<u>-</u>		<u>314</u>	
<b>Excess (Deficiency) of Revenue Over Expense</b>	<u>\$ (313)</u>		<u>\$ 156</u>	



Department of Information Analysis and Systems

Report of the Director

Mr. B.G. Hartwick

The increasing financial pressures which, in recent years, have characterized the operating environment of the University, continue to generate a corresponding increase in the demand for services from DIAS. The response to these service requests, while falling far short of the demand, has remained effective despite some rather severe staffing perturbations. Similarly, the Department has remained steadfast in its commitment to provide sensible data processing systems which place service and results before technology and which are sensitive to the real needs of the institution during a period of financial constraint.

During the past year, several productivity-oriented projects were completed, such as the introduction of computerized transcripts for the Registrar and a methods analysis study of the Personnel Department, to name but two. Such projects have specific objectives pertaining to the reduction of costs, or an increase in productivity to constrain future costs.

The 1977-78 year was also a year for projects designed to increase the service capabilities of our clients. Thus, for example, a new on-line circulation system for all campus libraries was developed, as well as an expanded teleprocessing network to serve additional Deans' Offices and to improve the teleprocessing service to the Affiliates.

In addition to the usual extensive maintenance to existing systems in order to react to changing conditions, several major revisions were implemented during 1977-78. For example, the Bookstore was provided with a multiple-indexed teleprocessing file, as well as a remote data entry facility; generic teleprocessing access was developed for the student systems of the Registrar; the School of Business applications process was integrated into the central admissions system; the residence system was expanded to include upperclassmen; a receipt generating feature was added to the Alumni System; and the first phase of a comprehensive serials management system for the library was completed.



Report of the University Art Curator

McIntosh Art Gallery

Maurice C. Stubbs

The new McIntosh Gallery Policy and Programming Committee (Chairman Dean J.G. Rowe) assumed responsibility for the operation of the gallery on May 1, 1977. A statement of policy was approved by the Committee on March 23, 1978. In April, 1978 the gallery was recognized by the Ministry of Culture and Recreation as a public art gallery eligible to receive the Ministry's core funding support based on 20% of the gallery's total operating costs. Under this new arrangement the gallery will also receive financial assistance from the Ontario Arts Council for exhibition and program expenditures.

During the year the University received 50 works of art as gifts to the art collection, 21 bark paintings and carved wooden figures were received from Rothmans of Pall Mall Canada Limited through the courtesy of the Australian Council for the Arts. Twenty-five pen drawings were presented by Tony Kobal and four other works including a painting by Greg Curnoe from the Queen's Silver Jubilee Gift.

Paintings from the University Art Collection were loaned to a number of major Canadian art galleries.

The gallery featured seventeen exhibitions during the year, thirteen of which were arranged by the staff. Two major centenary exhibitions sponsored by the Centenary Committee and Wintario attracted considerable attention. One of these The Image of Man in Canadian Painting: 1878-1978 was arranged by the Academic Festival Art Committee and will travel to Calgary, Vancouver, Toronto and Fredericton during 1978. Heritage Western: A Celebration, 1878 - 1978 arranged by John H. Lutman will be the principal summer exhibit.

Other important exhibitions were provided by the National Gallery of Canada, The Evolution of Landscape in Prints and Drawings: 1500-1900 and Rothmans of Pall Mall Canada Limited - Aspects of Realism - an exhibition shared with the London Regional Art Gallery.

Thirty-nine films on art were featured in regular day and evening presentations. Lectures to compliment the Image of Man exhibition were given by Dr. W.S.A. Dale and Prof. W.S. Hart from the Department of Visual Arts.

A visiting artists program was approved by the McIntosh Advisory Committee and implemented by Dr. J. Barrio-Garay.



McIntosh Gallery Programmes - 1977-78  
Exhibitions, Films, Lectures, Special Events

EXHIBITIONS

July 6 - 31

The Magic World of Children (photographs)  
From the National Film Board

August 4 - September 11

Canada: From the National Film Board  
The University's Permanent Collection

September 21 - October 30

Sculpture by Jim Gilles  
H.J. Ariss Drawings: 1973-1977  
Ray Wolf - Two Years to Life: A Prison Portrait

November 3 - 27

Aspects of Realism (Rothmans)  
Gino Lorcini - New Work

November 30 - January 15/78

Sasha Hayman - Wall Hangings  
Steve Parzybok - Sculpture  
Miho Sawada - Paintings

January 18 - February 12

The Evolution of Landscape in Prints and Drawings 1500-1900  
Organized by The National Gallery of Canada  
Standards/Skylines  
Photography by Phillip Ross and Michael O'Henly

March 1 - April 2

The Image of Man in Canadian Painting: 1878-1978  
Sponsored by the Academic Festival Committee

April 5 - 23

Visual Arts Department Graduating Students Exhibition

May 3 - September 3

Heritage Western: A Celebration 1878-1978  
Sponsored by The University of Western Ontario Centenary Committee

FILMS ON ART

September 27 - November 10, 1977

The Ascent of Man  
(series of 13 films)

November 17

Why Man Creates

November 20 - 22

The Wyeth Phenomena

November 27 - 29 - 30

Visual Art

December 6-7-8, 1977

Gertrude Stein: When This You See  
Remember Me



Introduction:

The Office of International Education maintains liaison with Government agencies at home and abroad, granting foundations, other agencies, and other organizations having significant commitments in the field of international education. In addition to the liaison function, the Office on request, assists faculty, staff and students with the developments of arrangements with the aforementioned government agencies and organizations.

Programs:

(a) Cameroun - The School of Journalism:

In co-operation with the University of Montreal and the Canadian International Development Agency, the School of Journalism conducted an eighteen week training program at Western for six English-speaking print and broadcast students from the Cameroun.

The Office of International Education assisted in negotiating the contract, seeking teaching personnel, providing resource materials and the weekly administration of the program.

(b) Program in International and Development Journalism:

The School of Journalism in co-operation with the Canadian International Development Agency has developed a program in International and Development Journalism. The objective of the program is to increase Canadian professional and student journalists' awareness and knowledge of international and development issues, with particular emphasis on Canada's relationships with the developing world. Some of the activities of the program were as follows:

(i) Petroleum & Beyond - Encounter 78:

Each year a major Encounter seminar is held for invited professional journalists on an international theme. This year the seminar focussed on Energy - Petroleum and Beyond. The Chairman was Mr. Tarzie Vittachi, Chief, Public Information and Non-Governmental Office, United Nations Fund for Population Activities, New York. Distinguished speakers included:

Gerald F. Hart, Department of State, U.S.A.

James Wallace Hopkins, Jr. OECD, Paris.

John Winger, Chase Manhattan Bank, New York.

Dr. Ragaei El Mallakh, International Research Centre for Energy and Economic Development.



(c) Medical Electives:

During the year 1977/78, the Medical Electives Program placed 15 students overseas. The students were placed in India, Africa, and the Caribbean.

It is estimated that by the year 1980 the number of students selecting to do an overseas elective may increase to 30. The Office on behalf of the committee put in a request to the Canadian International Development Agency for a grant to assist the Faculty of Medicine, UWO, to provide partial travel funds to fourth-year Canadian students of the Faculty for the next three academic sessions. Dr. John McKim is the co-ordinator of this excellent program.

(d) Study-Work-Travel Abroad Programs:

Students, staff and faculty continue to use the office resources on a regular basis. The Office has been successful in placing a student from Western on a program sponsored by the Canadian International Development Agency as a Junior United Nations Officer in Botswana. The Office continues to assist faculty in many areas from Low Cost Appropriate Technology, to Solar Energy to Teaching in Developing countries. The Office files containing material on major issues such as the New International Economic Order, Energy, World Food and Agriculture, Population, etc., are used quite extensively by faculty and students.

(e) Survey re Courses dealing with Third World countries:

The Office will be preparing a brochure as a result of a survey conducted on campus to find out which faculties offer courses dealing with third world countries, international relations and international development.

(f) Community Services - Cable Cast TV:

As part of the universities service to the community we have produced two cable cast shows. The first show examined the present conditions in South Africa and the second show dealt with the Middle East crisis. The shows were well received in the community and we have been approached to do six to eight shows next year, time permitting. What is also of importance is that the panel for these shows comprises of faculty and students from this university interested in development issues.

(g) CUSO:

The role of the CUSO Office is one of information, recruitment and selection of people for service overseas. The Local Committee comprises of Londoners, mostly faculty and staff from this university. Under the Chairmanship of Professor Shirley Sharzer, The Local Committee has had a very successful year. It is unfortunate that Professor Sharzer has had to resign from the position of Chairman due to heavy work commitments at the School of Journalism. We would like to welcome the new Chairman



PERSONNEL DEPARTMENT

Report of the Director

MR. W. F. TRIMBLECOMPENSATION UNIT

Amongst the accomplishments of 1977-78 was the formation of this Unit as a formal entity within the Personnel Department and the appointment of the former Compensation Officer to the new position of Assistant Director - Compensation. Whereas the term "Compensation" had formerly been used to describe the salary administration function alone, it now embraces the responsibilities of three Sections: Salary Administration (re-named), Benefits and Personnel Records. Due to staff attrition, furthermore, 1977-78 also saw the appointment of two experienced professionals recruited from industry to fill the key positions of Salary Administration Officer and Benefits Officer. At the same time, a Methods Study of the activities within the Documentation and Payroll Sections of the department was completed, and a number of changes made as a result (job and staff reassignments, procedures, etc.) As well, this study identified the need for a senior position of Records Officer to co-ordinate a number of seriously-required improvements to the University's computerized personnel data base, its systems procedures and its clerical routines.

Despite the extensive personnel, organization and job changes experienced by this Unit in 1977-78, it was a productive year which included the introduction of a new salary administration plan for Physical Plant employees, a revised format for the publication of staff salary ranges, improvements in the investment options and fund-management arrangements under the faculty and staff pension plans, and the preparation and distribution of revised benefits pamphlets to all Regular Full-time employees.

As well, the Salary and Benefits Sections were heavily involved in the acquisition and compilation of data used in the compensation discussions with faculty and staff, as well as at different times for other forums. As an example, a detailed comparison was made between U.W.O. salary practices and those of the Government of Ontario for the Office of the President.

While the preceding items are important, so too is the daily range of activities of these units: ensuring that the personnel and benefits records and transactions are accurate and timely, evaluating jobs, advising management on organizational concerns, counselling faculty and staff on matters related to their salary or benefits (including pre-retirement), monitoring the compensation of individual faculty and staff, etc.

EMPLOYEE RELATIONS

The orientation program for new full-time members of the administrative staff contained, with 234 people participating over the year. Topics



Following an overhaul last year of the composition and terms of reference of the President's Safety Committee, three new committees were established as sub-committees of the President's Safety Committee to address specific problems. These sub-committees are the Radioisotopes and Radiation Sub-committees; the Biohazards, Toxins, Carcinogenic Agents, Hazardous, Volatile Substances and Wastes Sub-committee, and the General Safety Sub-committee.

As of the end of the 1977 calendar year, the University experienced the lowest direct cost due to accidents in several years. In addition, the number of disabling injuries per 100 staff decreased slightly over the previous year.

A smoke detector and fire extinguisher promotion was conducted in December, with over 180 smoke detectors and 80 fire extinguishers purchased by faculty, staff and students.

Proposals for safety awareness programs were presented to the Physical Plant and Food Services areas resulting in an on-going safety program in Food Services. This department's accident experience as a result continues to trend downwards.

The Safety Section continues to play an active role in the College and University Safety Council of Ontario by participating on the C.U.S.C.O. executive, making a major contribution to the annual safety conference.

The handling of Workmen's Compensation claims is undoubtedly the best of any educational institution in the province, and with the production of a detailed manual of operation (written in-house) continuity is assured. Working on behalf of the University and the staff member, the Safety Section's record-keeping and claims follow-up systems assures that accurate, prompt service is always available. Because of excellent record-keeping and follow-up, the section successfully appealed \$150 in fines and had \$31,334 deleted from charges against the University's experience related to Workmen's Compensation payouts.

This past fiscal year produced a major increase in employment activity with a total of 659 full, part-time and temporary placements of which 345 were regular, full-time. This compares with 277 regular, full-time for the same period in the previous year. Transfers remained at a constant 42 for the same period, and the staff count was 2,050 at the end of 1977-78.

The overall turnover rate was up slightly to 12.3% for the year, with a total of 14 staff being terminated for poor performance, an increase of 2 over the previous year. Termination interviews were conducted with 183 staff, or 72.3% of all those leaving the University.

#### PAYROLL

Gross payroll for the year was \$79,118,823.00 distributed on the basis of 40,347 deposits and 57,907 cheques. Over 9,500 T4's were issued while 3,600 T4A's were processed. During the year a change of address form was included with each T4 which resulted in over 1,000 changes or revisions to the home address as recorded on the personnel master file.



PHYSICAL PLANT DEPARTMENT

Report of the Director

MR. R. M. YEO

Near the end of 1977-78 period the Engineering and Architectural Services section of the Department was combined with the Project Planning and Construction section to become the Physical Planning and Construction section. This, in effect, brought the planning and construction for both capital and alteration projects under one Assistant Director. This change resulted from the resignation of one of the two Assistant Directors and the decision not to replace the position due to the economic conditions.

At the same time the space function of the Department was combined with that of the Reservations Office. The Space Analyst was assigned the second role of Assistant Reservations Coordinator. As well, the Works Project group which had been reporting through the Operations and Maintenance Section was transferred to the new Physical Planning and Construction section. With these changes there are now 5 major sections reporting to the Director, as follows:

- Operations and Maintenance
- Parking Services
- Physical Planning and Construction
- Reservations and Space
- Security and Traffic Services

A major procedural change was implemented in the relocation of the centre for "after-hour" trouble calls. For many years the stationary engineer in the Heating Plant had the responsibility of handling all calls when the Dispatch Desk was not staffed (nights and weekends). This procedure, although providing an adequate service in most cases, was not ideal for many reasons. With the Security desk on 24 hour, 7 day operation, it seemed appropriate to use that service to act as the centre for the after-hour calls. In the six month period after implementation the results showed an improvement in response to and the handling of calls.

The reduction in capital projects which contributed to the amalgamation of Project Planning and Architectural Services sections typified University wide budget constraint and emphasized a prime objective of this Department - to reduce operating costs with minimal effects to services. Several major steps were taken this past year to minimize operational costs.

An electronic data recorder was installed in the telephone system to make possible the implementation of Toronto FX and WATS long distance services. The new long distance services will provide more economical long distance communication within Canada. The traffic data available from the recorder will also facilitate the design of individual departmental telephone systems which will allow more efficient use of the equipment and result in lower rental costs.



Perth and Huron Drive - intersection improvement and installation of traffic signals

Weldon Library and Engineering and Mathematical Sciences Building - replaced substantial areas of the carpeting

Elborn College, Middlesex College, Dental Sciences and Medical Sciences Buildings - painting

Stadium - waterproofed portion of the concrete stand

School of Business and Bio-Engineering - improved cooling systems

Planted 38 Red Oak trees on University Drive

Many of the maintenance projects in the period involved refurbishing of areas for the University's Centenary celebration. Expanded responsibilities were assumed by Operations and Maintenance through the additions of Platt's Lane Estates and the Spencer Hall Foundation program. An intensive conference schedule in connection with Western's centennial added substantial work load in the caretaking function.

The winter of 1977-78 gave the impression that the weather was attempting to set records in all areas. The largest single day snowfall in years hit the city in early December. The results of this storm were not fully cleared until after Christmas. Although a large portion of Physical Plant staff were snowbound at home, all essential services, including care of the residences were maintained. Main campus roads were passable at all times. In late January the first "winter hurricane" struck. Most of those who arrived at work were released as soon as possible. Many of those who remained were marooned on campus making use of makeshift sleeping arrangements wherever space was available. Again, the caretaking staffs in the residences performed well, providing services to not only the normal residents, but to many others who were stranded. Campus roads were maintained passable at all times. Grounds vehicles were pressed into service as "people-delivery" vehicles, and at one time two were snowbound in the City. Essential services, including communications, heating and maintenance were maintained throughout the emergency.

#### PARKING OPERATIONS

Operating revenue for the period amounted to \$386,281 and operating expense was very close at \$382,224. Both figures were proportionally up from those predicted by about approximately 5%. The increase in revenue allowed the absorption of the expenditure (\$79,681) due to the extremely heavy winter. The outstanding loan for Capital improvements of \$62,371 was paid off in advance with a surplus of \$27,577 from the previous year and by assuming a deficit of \$21,500 for this year.

Contracts amounting to approximately \$70,000 were awarded from the reserve accounts for the following:

Resurfacing the Elborn College Lot



was active during the year. To supplement in-house training sessions the following seminars were attended by various members of the Department.

Plant Maintenance Seminar - Hofstra - 3 day seminar

Roof Maintenance and Design Seminar - 3 day seminar

Ontario University Caretaking Supervisor Seminar - two 2 day Seminars

Ontario Association of Physical Plant & Planning Administrators - Maintenance - Utilities Meeting - 1 day

Lawn and Turf Care - 1 day

American Society of Heating, Refrigerating and Air-Conditioning Engineers Incorporated Annual and Semi-Annual Meeting - two 4 day seminars

Ontario Association of Physical Plant & Planning Administrators Semi-Annual Meeting - two 1 day

Canadian Industrial Communications Assembly - 3 day seminar

District Heating Association - 3 day seminar

Department of Energy (U.S.) Solar Energy Update - 2 day workshop

A competitive award program was introduced in the Caretaking section to stimulate more effective operations. This will be a continuing program that recognizes outstanding performance by the caretaking staffs in each of the four campus and residence areas. Residence area (Area 1) winner and leading overall group was the Glenmore Residence, Campus Area 2 winner was Somerville House and Business School. Campus Area 3 winner was the Dental Science Building and Campus Area 4 winner was the Social Sciences Building.

Seven members of the Department retired during the year:

G. H. Jackson (9 years service)

A. Kiff (6 years service)

N. Knox (10 years service)

J. Struthers (7years service)

J. Timbrell (7years service)

S. Weeks (28 years service)

L. Yausie (29 years service)



## THE DEPARTMENT OF UNIVERSITY RELATIONS AND INFORMATION

Report of the Director

Mr. L.T. Moore

Respected columnist Jack McArthur wrote recently in the Toronto Star: "Full and clear disclosure of material facts...It is...what Canadians must have if they are to make well informed decisions about the economy, the government and other institutions..." Another columnist, economist Bruce Whitestone, writing in The London Free Press, said that the problem is universities are not accountable to those they are supposed to serve, the students and their families, but are responsive instead to those who control the subsidies—government. Mr. Whitestone added "As the universities have expanded and proliferated, they have become a bewildering complex sprawl of institutions that no one can understand. With accountability a thing of the past, universities are now increasingly self-serving."

No one would dispute Mr. McArthur's statement that the public must have access to the facts if it is to exercise its political judgment wisely. Nor would many question Mr. Whitestone's statement that universities have become a "bewildering complex sprawl of institutions". What might be challenged, and should be challenged, is his assertion that accountability is a thing of the past. The *raison d'être* for any public relations or information program can only be to be an agency for accountability. Granted it is increasingly difficult for university information people to get their story before their various publics, and, of course, some university offices do it better than others.

While I may also be accused of self-serving statements, I believe Western has been particularly successful in its external information efforts this past year. Measuring the effectiveness of such efforts is difficult, but there are some indications that Western's effort is hitting the target. Through our clipping service, we traced the distribution of our news feature on forensic dentistry which was picked up and distributed across Canada by Canadian Press. Although CP rewrote the story to suit their style, many smaller community weeklies used the release verbatim. In total, close to 800,000 people from British Columbia to Newfoundland saw that story and it accounted for almost 500 inches of newspaper copy. There's no way of telling how many television or radio newscasters used the item. Magazine articles and television programs also followed up on the original release.

The forensic dentistry release was one of 82 issued by this department last year. Canadian dailies, weeklies, trade and professional journals, magazines and other print media — not counting the London Free Press — carried almost 3,000 stories which quoted Western faculty, staff and students, mentioned Western or featured its research. This doesn't include sports or society announcements.



example was the paper's exclusive examination of the possible effects of proposed tariff changes on Canadian universities. Western News stories on research projects at Western both helped to keep our readers informed and, distributed nationally or provincially by DURl, helped to draw attention to important research efforts at UWO in a time of financial restraint.

In summary, throughout 1977-78 Western News has continued to be a vital instrument of internal communications and has remained, in overall terms, the best university newspaper in Canada.

In a year of otherwise notable achievement, I am sorry to report that it became necessary, for financial reasons, to discontinue the position of sports information officer established three years previously. While our sports coverage must necessarily deteriorate, it is hoped that the excellent communication channels opened up by sports information officer Clare Dear will continue to benefit the University for many years to come.

Overall the department's staff complement remained the same in 1977-78 as the position of University photographer was established in March. The position was set up as an ancillary operation and is established on a full cost recovery basis.

A report on the department's activities would not be complete without mentioning that in addition to its external and internal communication programs, the department was also involved in a wide range of other projects, many of them associated with centenary celebrations. Noteworthy here was the department's cooperation with the London Free Press in the preparation of its special supplement on the University on March 4. Readers may also be interested to know that our information officer worked closely with the producers of CFPL-TV's "Morning Break" during the year and that in the period October to June 41 University personnel were guests on the program.

It is trite to say, but nevertheless true, that the strength of any department depends on the quality of its staff. This department is singularly fortunate in having such a capable and dedicated staff. During this part year we were successful in retaining that staff, with the exception of the secretary to the director who moved away. I am pleased to report, however, that this position has been most capably filled by Mrs. Priscilla Pooler.



APPENDIX TO PRESIDENT'S REPORT

PUBLICATIONS

OF MEMBERS OF FACULTY AND STAFF

FOR THE ACADEMIC YEAR

ENDED JUNE 30, 1978

THE UNIVERSITY OF WESTERN ONTARIO  
LONDON CANADA



PREFACE

Publications by multiple authors are entered in this bibliography in the order in which they appear on the actual publication.

The name index at the back of the bibliography lists all authors. In order to find all publications of an individual author, it is necessary to consult this index.

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Jolicoeur, P.	CF036.	Khan, R.H.	EM042, EM072- EM073, EM174- EM175.
Jolly, W.L.	BC064.	Khan, S.	EU051.
Jonas, A.	EX027.	Kiernan, J.A.	EB041- EB045, EB048, EB054.
Jones, C.R.	EM167.	Kieser, W.E.	NC003.
Jones, D.E.	EM166.	Killackey, J.J.	EV015.
Jones, D.I.	BH018- BH019.	Killing, J.P.	H024.
Jones, E.	M037.	Kilpatrick, J.	EK001.
Jones, E.O.P.	M016.	Kim, C.J.	P009.
Jones, J.	NC016.	Kim, P.	EX010.
Jones, N.	AH009.	Kim, S.D.	P003, P046.
Jones, N.L.	BC019.	Kimura, D.	CF048.
Jones, R.	P015, P084.	King, J.F.	BC057- BC058.
Jones, R.E.	G010 - G011, G013 - G014, G027.	Kingston, G.H.	CB018, CB038.
Jones, V.T.	CA006.	Kinnear, T.C.	H014.
Jongerius, A.	BG017- BG018.	Kirby, W.M.M.	EM113.
Jordan, R.E.	BK011- BK014. T004.	Kjode, J.	BF019.
Jorgenson, D.	EF016- EF017.	Klatskin, G.	EM115.
Joshi, V.M.		Klein, G.	EH010, EM074.
Judd, W.W.		Klein, Z.E.	CH001.
Jury, W.W.		Kleine, L.	EZ010.
Kadrie, H.A.		Klijzing, F.K.H.	CH024.
		Kline, R.L.	EX028, EX030, EX032, EX056.



Lo, T.C.Y.	EC006, EC042.	MacLean, R.M.	AB052- AB053.
Lobb, T.	EL025,	MacNeill, I.B.	BG020- EB022.
	EM129- EM130.	MacPherson, C.F.C.	EZ007- EZ010,
Lock, J.D.	BC058.		EZ026- EZ027.
Locke, M.	BK006,	MacRae, C.R.	CC027- CC028.
	BK016- BK017,	MacRae, N.D.	BE001, BE016,
	BK022.		BE030.
Lohmann, R.C.	EM036.	Mai, F.M.	EZ011.
Lomas, J.	EF020.	Mak, G.	EM101.
Long, D.G.	CE017.	Malmquist, P.A.	BC059.
Lonsdale, D.	G010 - G011.	Manca, J.	BH014- BH015.
Loosmore, S.M.	BC058.	Manchanda, S.K.	EX042.
Lopes, V.F.	CH010.	Manchester, D.F.	P090.
Lopez-Pacheco, J.	AG006- AG008.	Manchester, L.	EX031.
Lorimer, J.W.	BC062- BC064.	Mancini, C.	EN029.
Lorrain, J.	EM091.	Mandel, R.J.	NA009.
Lowe, E.W.	EJ006.	Manhart, D.D.	BC067.
Lowe, R.P.	BH031.	Mann, B.	CF075- CF076.
Lucas, A.	EN020,	Mantle, J.	F005 - F006.
	EN026- EN027.	Marchuk, J.B.	EL020.
Lucier, G.	EX017.	Marchuk, L.	EF025, EM105.
Lucier, G.E.	EF033, EX064.	Margaritis, A.	P051 - P053.
Luckman, B.H.	CC016- CC025,	Margoliash, D.J.	BC068- BC069.
	CC027- CC028.	Markhus, L.A.	BF020.
Luger, G.E.	BD028.	Markusen, J.R.	CB025- CB026.
Luk, K.	BC042.	Marlborough, J.M.	BB004- BB006.
Lundquist, S.	BH020.	Marliss, E.B.	EC002, EM173.
Lundy, S.	EC016, EU014.	Maroulis, A.J.	BC006, BC070.
Lupker, S.J.	CF050- CF051.	Marras, A.	AE033- AE034.
Lycett, P.	ES005- ES007.	Marshall, A.	EV020- EV021.
		Marshall, D.G.	EL009.
Mabert, V.A.	H044.	Marti, A.M.	AG009.
MacClement, B.A.E.	BE001.	Martin, A.H.	EB046- EB047.
MacClement, W.D.	BH021.	Martin, J.H.	NE001.
MacDonald, A.S.	EL008.	Martin, J.W.L.	BC071.
MacDonald, H.R.	EN025,	Martin, R.	K027.
	E*009- E*016.	Martin, R.R.	BC072- BC073.
MacDonald, I.C.	ED002.	Martin, S.A.	H019.
MacDonald, J.	BH014- BH015.	Martinie, Y.	P047.
MacDonald, J.A.	P085.	Marzouki, F.	BE031.
MacDonald, J.C.F.	BC089,	Massaro, D.W.	CF050.
	E*004, E*017,	Matsunami, K.	EX016.
	E*025- E*026.	Matthias, H.J.	NA009.
MacFarlane van		Maun, M.A.	BF006- BF007.
Waterschoot, B.	M015.	Mayer, P.P.	EM035.
MacFarlane, A.W.	J003.	Maytham, J.C.	EX032.
Macfarlane, T.W.R.	ED011.	Mazza, J.	EM072- EM073,
MacIntyre, W.J.	EH008.		EM102, EM149.
Maciver, A.G.	EP014.	McAlister, N.H.	EM092, EM155.
MacKenzie, E.T.	EF011, EF015.	McAvoy, P.	EZ018.
Mackey, W.F.	CC026.	McCabe, P.	EF019.
Mackie, G.A.	EC005,	McCain, G.A.	EM093.
	EC044- EC046.	McCallum, J.A.	EM038.
MacKinnon, D.	EM158.	McCarter, J.A.	EC043, EE001,



Milne, C.R.C.	BC034.	Murray, H.G.	CF055- CF058.
Milne, J.A.	EC018.	Murray, R.G.E.	EN010, ENC15,
Milner, A.D.	CF021,		EN022, EN024.
	CF026- CF027.	Murty, R.C.	BH020- BH021.
Milnes, P.	BG001,	Muzika, K.	P090.
	BG023- BG024.	Muzyka, D.	P055.
	EN017.		
Milovanovitch, V.	P010.	Nagar, A.L.	CB010.
Minh, T.	BH002, BH007,	Naish, V.a.	P011.
Mitchell, J.B.A.	BH023.	Nakamura, H.	EX010.
	P054.	Nardacci, N.J.	EV002.
Moan, G.D.	EC058.	Nath, D.	S073.
Moase, O.	CH028.	Naylor, G.	M021.
Moffat, L.K.	EX001- EX002,	Nealon, D.A.	EC001, EC017,
Mogenson, G.J.	EX006- EX007,		EC053- EC056.
	EX024, EX027,	Neary, P.F.	CD012, CD022.
	EX029, EX033,	Neill, M.T.	AB054- AB055.
	EX037- EX044,	Neill, S.D.	L004,
	EX046,		L011 - L012.
	EX050- EX051,	Nelson, J.	AB033.
	EX057- EX058,	Nerenberg, M.A.	BA002,
	EX060- EX061.		BC045- BC046.
	BC074- BC075.	Neufeld, R.W.J.	CF059- CF062.
Moloney, J.V.	EB008, EB049.	Neville, D.J.	D019.
Montemurro, D.G.	EP018, EP027.	Newson, E.F.P.	H033.
Moon, Y.S.	BH017, BH024.	Newton, R.C.	BE032.
Moorcroft, D.R.	EL013.	Ng, A.K.H.	BH025.
Moore, J.P.	T005.	Ng, C.E.	E*018- E*019.
Moore, L.	BH031.	Ng, H.Y.	BC040.
Moorhead, J.M.	EX043- EX044.	Nichol, P.	EH012.
Mora, F.	CF054.	Nicholas, R.P.	CF037.
Moran, G.	BC007.	Nicholls, J.V.V.	EM017, ER001.
Morchat, R.M.	H007, H032.	Nicholson, N.L.	CC029- CC033.
More, R.A.	EX045- EX046.	Niclause, M.	BC003.
Morris, P.	EN020, EN027,	Nicol, P.	EX073.
Morris, V.	EN031- EN033.	Nicolai, P.	EB050.
	BF008.	Niederhuber, J.E.	EU030.
Morris, W.A.	BE001.	Nieh, H.L.	ED012.
Morrison, G.	EK010- EK011.	Nilsen, M.	EC037.
Morrissy, J.R.	EN034.	Nisker, J.A.	EU036.
Morrongiello, M.P.	EC050.	Noble, R.L.	EU010.
Mort, J.S.	BH019.	Nogami, T.	P056, P064.
Morton, J.D.	AA016.	Nolan, M.J.	J004 - J009.
Moscovich, M.J.	BC016.	Nolewajka, A.	EX019,
Moskowitz, J.W.	G005.		EX047- EX048,
Mothersill, K.J.	EC051- EC052.		M030 - M032.
Mousa, G.Y.	CC009.	Novak, M.	P056 - P064.
Moy, W.-S.	EM024- EM025.	Nowak, E.S.	EM057, EM139,
Moyer, L.	AE035.		P033,
Muehlmann, R.G.	CF010.		P065 - P066,
Mueller, H.H.	EL003.		P080.
Mullangi, C.	EM154.	Nuttall, J.	BH010- BH011,
Mullin, J.K.	F007.		BH026- BH028.
Mumby, D.M.	AA017.		
Murison, C.L.			



Pollett, H.F.L.	EM108- EM109.	Raphael, D.	NC001,
Pomerantz, D.K.	EA008.		NC010- NC012,
	EX031, EX059,		NC015- NC016.
	EX070.	Rasmussen, H.	BA007,
Poon, H.C.	EC057, EM061,		BA011- BA013.
	EM110.		BC016.
Portis, B.	H036 - H040.	Ratner, M.A.	BE033, BH012.
Portmann, B.	EL001.	Raukas, A.	NF009- NF013.
Pospielovsky, D.V.	CD023- CD029.	Ray, D.	K034 - K036.
Possmayer, F.	EC012, EC068,	Rayner, W.B.	EF027.
	EL005,	Read, S.	M036.
	EP001- EP006,	Ready, A.E.	CF075- CF076.
	EP008,	Reberg, D.	EM063, EX004,
	EP014- EP015,	Rechnitzer, P.A.	EX019,
	EP019- EP023,		EX047- EX048,
	EP025, EX005,		EX071, EX073,
	EX034.		H021 - H023,
Potter, R.G.	CH029.		M016, M027,
Power, P.J.	BD030.		M030 - M032,
Powers, P.	EM119.		M035, M037.
Prabhu, K.V.	BC004.	Redinger, R.N.	EL023, EM114.
Pravica, S.	NG004- NG005.	Reed, D.J.	EX049.
Proctor, T.R.	BC069.	Reed, P.L.	CF031.
Prodrick, G.	L009,	Reese, L.	EH012- EH014.
	L013 - L014.	Reid, J.A.	G018 - G021,
			G026.
Prout, H.W.	H006.	Reid, W.D.	EA008.
Purdy, J.D.	NF004- NF005.	Reilly, P.L.	EF029- EF030.
Purvis, P.L.	EV026.	Reimchen, T.	Bk010.
Pylyshyn, Z.W.	CF071- CF074.	Reis, C.M.	BG027- BG028.
Pym, J.S.	BG024.	Rempel, E.	BJ033.
Pyper, E.	F007.	Rhoades, B.E.	BG012.
		Rholes, W.S.	CF036.
Quelch, J.A.	H041 - H043.	Richards, C.B.	BD011, BD019.
Quigley, R.M.	CC034, P036,	Richardson, D.B.	EX050.
	P069 - P071.	Richardson, J.	E*023.
		Richardson, J.F.	BC076.
Quinn, J.	K033.	Richardson, L.D.	EU025.
		Richmond, I.M.	AC016- AC017.
Rabheru, K.	EN049.	Rider, W.D.	EH011.
Radcliffe, D.J.	NF001,	Riely, C.A.	EM115.
	NF006- NF008.	Rigby, J.K.	BE034.
Radhakrishna, S.	BC035.	Rinehart, J.W.	CH030- CH031.
Radziuk, J.	EM111- EM112.	Ringold, G.M.	EN033.
Rae-Grant, N.I.	EZ016- EZ017.	Ritter, K.	CF077.
Raedels, A.R.	H044.	Roach, M.R.	ED011,
Rajan, B.	AB056- AB057.		ED013- ED014.
Ralph, E.D.	EM093, EM113.	Robert, A.	EL019.
Ram, A.	BF012- BF013.	Roberts, D.	BF019.
Ramadurai, K.S.	BA009- BA010.	Roberts, D.C.K.	EC058.
Raman, K.	BJ020- BJ023.	Roberts, R.J.	K037 - K038.
Raman, P.S.	BC086.	Roberts, W.A.	CF032, CF078,
Rampersad, M.	BC086.		CF100.
Ramzy, I.	EU036- EU038.	Robertson, A.	EX051, EX061.
Ranganathan, N.	EF035.		
Rankin, S.A.	BG027.		



Shapiro, B.J.	NC013- NC014, NF014.	EN040, EN043- EN044, EN052, EU044. M0014.
Sharom, F.J.	EC004, EC030, EC034, EC062- EC065. Q005.	Q007. CF091. Q002. EU030. BC042.
Sharp, C.	EB010, EB050.	BG007, Q001. AF003, AF011, AF012. Q008.
Shaver, E.L.	EZ011.	BA016. H045. EL026. EF035.
Shaw, B.F.	BG016, BG029.	EN045. NG006. EV031. S076.
Shawyer, B.L.R.	M016, M035, M039.	EU043. CF013- CF014, CF024. BG033- BG034. CF025. K041 - K042. EB052, ET008.
Shephard, R.J.	AG010.	AB059. ED012, ED017- ED019. EX053. CD033. EN027. CF092. F007. EB053. AC020. EM134- EM135. CA008, CA009. EC066- EC067. AD004. EP024. D020. Q006. EA001- EA002, EA010- EA012. EX054. EC078, E*021- E*023. BJ026- BJ029. NF015- NF016. G015. BE001.
Shervill, R.N.	EG006.	
Shewan, C.M.	BC070.	
Shigemitsu, Y.	Q006.	
Shivers, J.L.	BK021.	
Shivers, R.R.	EM030.	
Shoeman, D.W.	EM029.	
Shorrock, C.	CF029.	
Short, J.-A.C.	P019 - P020.	
Short, J.M.	EU052- EU056.	
Shubik, P.	EN041.	
Shum, D.T.	BG028, BG030- BG032.	
Shyr, H.J.	EF005, EL025, EM006- EM008, EM019, EM082, EM126- EM131, EM135, EM138, EM168, EM176, ET007.	
Sibbald, W.J.	BF025. EM107, EM132. BC059. CF089. EM033. G014. EM077. P074. CF090. CF029.	
Sidhu, S.S.	EF034, EM047, EM060, EM133, EM160, EM177, EN019, EN025, EN042, E*009.	
Sidney, K.H.	CH014, CH032- CH033, CH044.	
Siegbahn, K.	EB040.	
Siegel, L.S.	BH027.	
Silk, A.	EC079, EE002, EM117, EN006, EN028, EN036,	
Sills, P.S.		
Silver, M.D.		
Simmons, A.C.		
Simner, M.L.		
Simutis, Z.M.		
Sinclair, N.R.St.C.		
Singer, B.D.		
Singh, R.P.		
Singh, S.R.		
Singhal, S.K.		
Sipura, R.	Skidmore, P.G. Skinner, H.A. Slater, K. Slinger, R.P. Slutsky, J. Smet, E. Smieja, F.	
Smiley, W.C.	Smith, A.C. Smith, D.B. Smith, D.P. Smith, E.R. Smith, P. Smith, R.S. Smith, R.W. Smith, Sr. L. Smout, M.S. Smythe, P.C.	
Snaith, V.	Sneddon, I. Solomon, R. Soltan, H.C. Somerset, J.A.B. Song, S.H.	
Soper, B.D.	Soranaka, I. Sorenson, O. Sorrentino, R.M. Spano, L. Sparrow, J.R. Spear, F.A. Spence, J.D. Spence, M.W. Spencer, E.Y. Spencer, H. Speroff, L. Spilsted, G.R. Spivak, S.M. Spoerel, W.E.	
Squires, B.		
Sridhar, R.		
Srivastava, O.P.	Stabler, E. Stakiw, J.E. Starkey, J.	



Teo, K.C.	BC083.	Tryggvason, B.v.	P043, P081.
Tepperman, B.L.	EX062.	Tsang, B.K.	EP026, EP029.
Thakar, J.H.	EC069- EC070, EN038, EN051.	Tschanz, T.	P044.
Thas, J.A.	BG009.	Tse, J.S.	BC013- BC014, BC077.
Theios, J.	CF051.	Tso, E.C.-F.	BK027.
Thibeault, A.	H047.	Tsunoda, R.T.	BH024.
Thierrin, G.	BG019, BG027, BG030- BG032, BG035.	Tuck, D.G.	BC044.
Thiessen, D.	NK002.	Tuomi, S.K.	EG007- EG009.
Thomas, G.	BG035.	Turkington, R.A.	BJ031- BJ033.
Thomas, G.F.	BC084.	Turnbull, D.I.	EM037- EM038, EM167.
Thomas, J.S.	EX063- EX064.	Turner, J.J.	EM094.
Thomas, L.S.	EM057, EM139, P033, P080.	Turner, R.J.	CH001, CH023, CH035- CH036.
Thomas, M.S.	EF033.	Turnovsky, S.J.	CB018, CB038.
Thomas, P.	CF062.	Tustanoff, E.R.	EC073.
Thompson, A.	BH014- BH015.	Tyler, L.	EE002, EN040, EN044.
Thompson, C.D.	P071.	Tyml, K.	ED020- ED021.
Thompson, E.W.	EC001.	Uhlemann, M.R.	CF020.
Thompson, J.	EM081.	Ulan, R.G.	EM101.
Thompson, M.G.G.	EZ019- EZ021.	Underwood, J.	EL026.
Thomson, A.B.R.	EM140.	Upmalis, D.I.	EH013.
Thomson, S.	EM058, EM068- EM069.	Valberg, L.S.	EC022, EC047, EC049- EC050, EM090, EM100, EM140, EM156-EM158.
Thornhill, J.A.	EV032- EV035.	Van Hove Holdrinet, M.	EU043.
Timco, G.W.	BF017.	Van Hulst, R.	AE027.
Ting, S.	L004.	van Huystee, R.B.	BJ026- BJ029, BJ034- BJ037.
Tokmakjian, S.	EC071.	Van Vliet, S.	EM112, EM159.
Tong, B.Y.	BH008- BH009, BH016, BH029.	Vanderwolf, C.H.	CF015- CF016, CF049, CF079, CF095.
Toogood, J.H.	EM014- EM015, EM042, EM072- EM073, EM092, EM102, EM141- EM155, EM174- EM175.	Vardanis, A.	EC074- EC075.
Toong, Y.C.	BC087.	Varkey, G.P.	EF013.
Topiol, S.	BC016.	Varmus, H.E.	EN031- EN033.
Track, N.	EM112.	Vasudev, R.	BC020.
Tracy, G.L.	AD005.	Veevers, J.E.	CH037- CH038.
Traquair, J.A.	BJ030.	Vera, R.S.	EF009.
Tree, R.	EM029.	Verma, R.S.	BJ038.
Tremblay, P.	EN023.	Vernon, R.A.	CE005.
Trevithick, J.R.	EC019, EC051- EC052, EC072.	Versteeg, H.	K042.
Tripp, G.R.	M043.	Vichos, E.E.	EN042.
Troster, M.	EU042.	Vick, H.	EP017.
Troughton, M.J.	CC035- CC039.	Vickery, B.J.	P006, P032, P082.
Truant, G.	EM010.	Vickery, W.L.	BK028.
Truesdell, S.	F008.	Vilis, T.	ER005, EX026,
Trujillo, S.	EY004.		



Williams, R.	EL001, EL026, EM033, EM139.	Youson, J.H.	BK029.
Williamson, R.	T008.	Yuen, C.	P049.
Williamson, R.F.	CA008.	Yuhasz, M.S.	M014, M016, M035, M037, M046 - M047.
Willis, C.J.	BC031, BC071.		EP024, EP029- EP030.
Willis, N.R.	ER004.	Yuzpe, A.A.	
Wilson, C.E.	J010.		
Wilson, N.K.	BC082.	Zafiratos, C.D.	BH001, BH013.
Wilson, R.	EU055- EU056.	Zajic, J.E.	EM101, P011, P018, P029, P031, P045, P048, P053, P067, P086 - P093.
Wilson, R.K.	AF003- AF006.		EM003, EM005, EM032, EM096.
Wilton, S.	EN017.		EX011, EX055.
Wintrobe, R.	CB008.		EZ002.
Wojcicka, B.	EM137.		EC023.
Wolf, L.C.	CH044.		M048 - M055.
Wolfe, B.M.	EC058, EM171- EM173.	Zamecnik, J.	BC069, BC088- BC089, E*025- E*026.
	EX071- EX073.		CF100.
Wolfe, L.A.	EL020.	Zanchetti, A.	EM060, EM177.
Wolfe, L.I.	EJ012.	Zarfas, J.	EB055.
Wolowyna, J.E.	CH029, CH045.	Zbarsky, S.H.	
Wolowyna, O.	EL0055.	Zeigler, E.F.	
Wong, C-Y.	EP019, EP021.	Zeiss, G.D.	
Wong, C.Y.	BC061.		
Wong, S.K.	BG036, CB039.		
Wonnacott, R.J.	BG036, CB039.	Zoladek, L.	
Wonnacott, T.H.	EM154.	Zuberi, R.	
Wonnacott, T.M.	EK001.	Zuk, A.	
Wood, M.	EC057, EM012, F008.		
Wood, T.	EL013.		
Woolf, L.I.	EA009.		
Worth, A.	BF011.		
Wright, C.	EP002, EX005.		
Wright, F.	G022, G028 - G029.		
Wright, G.Z.	NG007.		
Wright, J.S.	CF097- CF099.		
Wright, M.J.	EX042.		
Wu, M.	D022.		
Wuensch, G.	EL014.		
Wyatt, J.K.	H047 - H048.		
Wynant, L.	EU057.		
Wysocki, G.P.			
Yang, W.H.	EM011, EM042, EM174- EM175.		
Yatscoff, R.W.	EC078.		
Yaworski, R.	EY004.		
Yeh, K.	Q006.		
Yerhoff, F.W.	BC086.		
Yeung, A.K.	EP006, EP008.		
Young, G.B.	EF036, EM176.		
Young, G.M.	BE036- BE039.		
Young, W.D.	NK010.		
Yousef, W.W.	P085.		