

guelph

UNIVERSITY NEWS BULLETIN

Data bank for interdisciplinary studies

The Eramosa Reaches

The Schools of Landscape Architecture and Engineering and the Departments of Botany and Genetics, Environmental Biology, Geography, Land Resource Science and Zoology are pooling their resources and expertise to produce a comprehensive and accurate computerized resources data bank of a 407-acre area in Eramosa township.

The land, a remarkably varied example of terrain and plant communities in the Great Lakes-St. Lawrence forest region, is called the Eramosa Reaches. The six owners of the area have made their properties accessible for the intensive, on-going study.

The establishment of the data bank was given initial impetus by the requirements of two interdisciplinary courses, 59-643 Biophysical Resources Analysis and 59-645 Ecology for Planning, a course in environmental planning and design. The first course, offered by the School of Landscape Architecture MLA program to graduate students from various disciplines, introduces students to different facets of the biophysical environment. It involves a comprehensive study of the total environment, much of the course work taking place in the field, "in the raw, for real," says Professor Victor Chanasyk of the School, who is co-ordinator of the course.

The second course, which is a follow-up to the first, requires students to produce a program of urban development that grows out of and reflects the characteristics of the test

site. Both courses are offered co-operatively by the Schools of Landscape Architecture and Engineering and the Department of Land Resource Science, and include faculty members Professors Peter Chisholm and N.R. Richards.

The Biophysical Resource Analysis course has been offered twice before with the result that a substantial amount of data has already been accumulated. The graduate students who took the second course in environmental planning have digitized the data so that the variables can be plugged into a computer for planning commercial, industrial, residential and other urban uses.

The need for more highly specialized data resulted in a meeting of representatives of all the participating departments. It was agreed that since so many of the professions and disciplines at the University are also involved in some particular aspect of resources/environmental planning and management, and the Eramosa Reaches was considered such a highly useful test site, a comprehensive data bank of the area would be invaluable to students and faculty other than in Landscape Architecture.

Such an arsenal of information would, as Professor Cameron Man, Director of the School of Landscape Architecture explains, eliminate so much "repetitive effort" on the inventory and analysis phase of academic problem-solving. Li



Prof. Chanasyk, far left, looks on as Prof. P.S. Chisholm, a hydrology specialist in the School of Engineering, instructs graduate students Norm DeFraeye, Forster Ndubisi and George Ivanoff "on location" in the Eramosa Reaches.



Michael Oliver, left, director of the International Development Office; Mr. Dupuy, centre, and Professor John Cairns, Director of Guelph's Centre for International Programs, enjoy the Africa Week display.

Wider fields to explore

Canada stands on the threshold of a new era in international development co-operation and the universities are well-placed to seize this opportunity for creative action.

This was the message in an address by Michel Dupuy, president of the Canadian International Development Agency, to 102 delegates attending a workshop sponsored by the newly established International Development Office with the Association of Universities and Colleges of Canada, and Guelph's Centre for International Programs.

Universities have an unusual opportunity to demonstrate the practical role they can play: their ability to harness ideas and knowledge to the needs of an emerging world and to take initiatives of the sort which governments are usually incapable of taking, said Mr. Dupuy.

The two-day campus workshop was the first of its kind and it was called to review the Canadian university experience in international development projects. Delegates, including representatives from the developing countries, reviewed and evaluated university projects which have been undertaken in the past few years under CI DA's bilateral program.

Louis Berlinguet, senior vice-president of the International Development Research Centre, was among the speakers. He spoke on new opportunities for research on the problems of the Third World. Several university presidents attended sessions, including President D.F. Forster. □

INSIDE:
InfoServ The Library

LECTURES AND FILMS on Tutankhamun's Egypt will be presented by the University Centre during the week of October 29 to November 2 at 12:10 p.m. in Room 103 of the University Centre.

On Monday, October 29 and Wednesday, October 31 at 12:10 p.m. Ronald J. Leprohon, education officer for the Tutankhamun exhibition at the Art Gallery of Ontario will speak. The October 29 lecture will concentrate on the peoples of ancient Egypt. The October 31 lecture will concern itself with the figure of Tutankhamun illustrated with original pictures taken in the tomb at the time of discovery.

The film series will be shown in conjunction with these two lectures on Tuesday, October 30, Thursday, November 1 and Friday November 2, commencing at 12:10 p.m.

Seating is limited to 175 persons. Admission is free and it will be based on a first-come, first-served basis.

A CONCERT READING of the opera *Kamouraska* will be presented by Dr. Charles Wilson of the Division of Music, Saturday, November 3 at 3 p.m. at the Comus Music Theatre, Trinity St. and Eastern Ave., Toronto.

There will be no admission charged for the presentation.

TARRAGON THEATRE'S boisterous trucking musical *18 Wheels* — will be presented by the University Centre Friday, November 2 at 8:30 p.m. in War Memorial Hall.

18 Wheels is a country music show that takes audiences on a lively jaunt into the world of long-distance truckers. It's a fast-paced, fun-filled show that travels across Canada with "Duke" and his CB radio, visits "Sadie" who dishes out grub at the Hollywood Grill near Kenora, barrels down the highway with "Lloyd" and "Molly," and takes a lonely night drive with "Jim."

Tickets are on sale at the central box office in the courtyard of the University Centre, Ext. 3940. General admission is \$5; students and seniors, \$4.

ALL FULL-TIME UNDERGRADUATES are asked to check their campus mail box for information regarding preregistration which is from October 22 to November 2.

THE ASSOCIATION of Commonwealth Universities has published a booklet listing awards open to administrative and library staff of universities in Commonwealth and non-Commonwealth countries. The booklet, *Grants for Study Visits by University Administrators and Librarians* is in the Dean's office of each College.

PARKING LOT P.17, north of the East Ring Road, is now designated for holders of commuter black and orange parking permits. Before October 24 the parking area was originally designated for holders of blue permits. Alternate parking for holders of blue permits may be found in parking lots P. 19, north of College Avenue near the Cutten Club and P. 18, near the East Residence, or P. 14, across from the Human Kinetics building.

PROFESSOR FEI XIAOTONG, short-term visiting professor in the Department of Sociology and Anthropology, will participate in a panel discussion, "Issues of Social and Technological Change" Wednesday, October 31 at 8 p.m. in Room 029 of the Arts

building. Prof. Fei is one of China's leading social scientists and director of the Institute of Sociological Research.

Other participants in this panel discussion will be Professor Gerald Gold, department of anthropology, York University; Professor Martin King Whyte, department of sociology, University of Michigan, and Professor William Foote Whyte, School of Industrial and Labor Relations, Cornell University, and president-elect of the American Sociological Association.

Recognition for women of notes

Much has been written about male composers, the indifferent as well as the justly famous, but female composers prior to this century have been virtually ignored.

In her recently published bibliography *Women of Notes: 1,000 Women Composers Born Before 1900*, Anya Laurence, a concert pianist who recently joined the applied music section of the Division of Music claims that there are many females who deserve recognition.

"Once the research got under way, even I was surprised to discover so many women composers, especially American and English women," says the pianist who undertook the two-year task without any funding support. Many of the works are of an extremely high quality — Felix Mendelssohn's piano *Trio in D Minor* is famous, but his sister, Fanny, composed an equally brilliant *Trio in D Minor* which is seldom heard. Clara Schumann, who always deferred to her husband, Robert, wrote excellent pieces, including *Trio in G Minor*. Many well-known songs, such as *Because* and *I Love You Truly* were written by women.

Because of society's narrow view of women's roles, many female musicians must have given up altogether or greatly tempered their ambitions, speculates Ms. Laurence. If they persisted in wanting to be more than a wife and mother, it was considered acceptable for them to play an instrument such as the piano or violin and to sing. But composing, conducting, organizing and even playing the 'cello were considered highly inappropriate. Only the most determined women persisted in these areas.

In one of several illuminating chapters included in the book, Ms. Laurence discusses major performances of women's compositions. The author notes that the first work by a woman to be presented at the Grand Opera, Paris, was a ballet, *Les Genies*, by Louise Duval. The date was 1736. But then 50 years passed before the opera performed another female's composition.

Through her concerts in Canada and the US, Ms. Laurence is encouraging laymen and musicians alike to delve into the works of these women. The pianist will illustrate the works of some of these women through a combined lecture and recital Tuesday, November 6 at 7 p.m. in Room 107 of the Arts

"SEVEN PRAIRIE PAINTERS," an exhibition by the art galleries of Ontario and Edmonton is on show in the McLaughlin Library, to November 18. It consists of 21 recent paintings by William Peherdoff, Otto Rogers and Robert Christie, Saskatoon, Bruce O'Neil, Calgary, and Douglas Haynes, Richard Chenier and Ann Clarke, Edmonton.

A catalogue, illustrated in color, is available. For further information about the exhibition telephone Ext. 3158.

The lecture is part of the evening credit course "Introduction to Women's Studies." The public is also welcome to attend, and admission is free.

Locally, Ms. Laurence will also present a half-hour discussion and recital over Guelph's CK LA-FM station Sunday October 28 at 9 p.m. On Monday, October 29, she will appear as a guest artist for the Edward Johnson Foundation at Chalmers United Church at 8 p.m. That evening she will present a standard repertoire, but, as always, will include one work by a woman.

Women of Notes is on reserve on the fourth floor of the McLaughlin Library. The book is also available at the Campus Co-op Bookstore for \$15. □

VISITING PROFESSOR

David T. Armstrong, professor in the department of physiology and obstetrics/gynecology, Faculty of Medicine, University of Western Ontario, is in the Department of Animal and Poultry Science as a visiting professor until November 2.

During his visit to Guelph, Prof. Armstrong will give seminars on the "Regulation of Ovarian Steroid Biosynthesis" and "Ovarian Follicular Regulation: Implications for Fertility Control." The seminar, "Ovarian Follicular Regulation," will be presented on Wednesday, October 31 at 11:10 a.m. in Room 156 of the Animal Science/Nutrition building. □

VISITING PROFESSOR

Secretary to the Director/Office Manager, Counselling and Student Resource Centre, Maternity Leave. Administrative Secretary. Salary Range \$201.09-\$289.21.
Student Laborer, Grounds Department. Rate \$5.62. ("On call" basis).
Clerk, School of Part Time Studies and Continuing Education, Independent Study. Clerk II. Salary range \$182.24-\$264.67.
Student Programmer, temporary, full time, Academic Computer Services. Salary is negotiable.
Secretary, Biomedical Sciences. Salary range \$169.69-\$241.12.

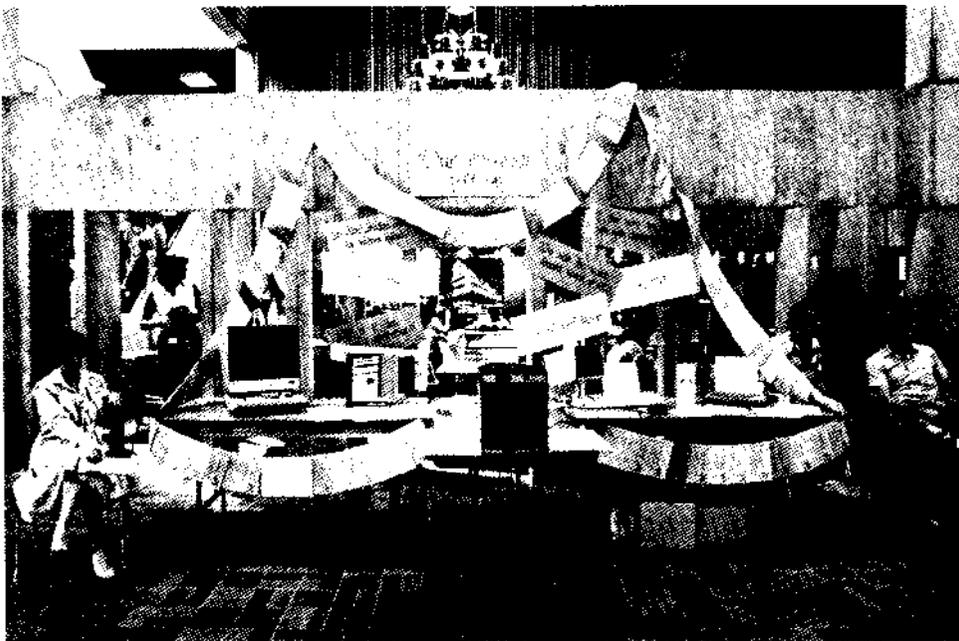
For further information please see bulletin boards or call Ext. 3058 or 3059.

InfoServ

The Library
UNIVERSITY OF GUELPH

October, 1979

INFORMATION AT YOUR SERVICE



During registration week the Library staffed an orientation booth in the U.C. courtyard.

Library orientation

Conscious of the growing complexity of library collections, services, and equipment as well as the organization which staffs and houses them, the University of Guelph Library provides an increasing diversity of programs to meet the needs of the Library user. Although the staff has been offering orientation on an individual, group, or class basis since the entire Library was housed in the Massey Library building, the programs now offered reflect the variety of needs of our community. Those presently on campus, those we expect will join us as students in the near future, those who visit us from other institutions and organizations, and the general public are all a part of that community. For each of these, and at varying levels of interest and intensity, the Library has designed programs.

UNDERGRADUATE STUDENTS

Drop-in tours

For the new student on campus, the Library has organized a series of 45-minute sessions held several times each day over the first week of each semester. A slide tour of the building exposes students in a very general way to McLaughlin's resources and services. Each group is then given a more detailed walking tour of one or two areas of importance.

Class presentations

A second type of orientation for undergraduates is available through the co-operation of faculty and librarians. A faculty member who feels his or her students can benefit from the program calls a librarian to arrange for a date and time convenient to the class. The librarian, in turn, plans a presentation of library materials and resources based on the subject suggested by the faculty member.

INFO/SERV is a wide variety of information services provided by the University of Guelph Library staff, ranging from computer assisted literature searches (G/CALS), through computer assisted retrieval service (G/CARS), to quick information provided from a variety of sources including telephone directories for major cities in North America and Europe.

The various information services and service centres of the University of Guelph Library, described in more detail in this supplement include:

- INFORMATION DESK
- REFERENCE SERVICE
- CIRCULATION INFORMATION
- CATALOGUE INFORMATION
- G/CALS
- G/CARS
- WEEKEND REFERENCE
- LIBRARY NETWORKS
- LIBRARY PUBLICATIONS
- ICS TERMINALS
- LIBRARY ORIENTATION

This kind of presentation may be offered either within the Library or in the College classroom, and is geared to the semester level of the class involved.

GRADUATE STUDENTS

Graduate tours

Until now graduate students new to campus found it necessary to take part in the undergraduate drop-in tours described above, if they were to be introduced to the University of Guelph Library. Beginning this fall semester, a new program is offered to graduate students. In format it resembles the undergraduate drop-in tours, but it is aimed at the more sophisticated or specialized needs of the graduate student.

Graduate program classes

In addition to this new program, the subject specific classes which have been offered to graduate students through their depart-

ments or programs will continue to be available. This type of orientation includes not only materials available within this library system, but also describes methods, both manual and computerized, by which access may be gained to information or resources through the library network in North America and elsewhere in the world.

FACULTY

A special orientation program is offered to new faculty members by associate librarian, Dr. John Black. In addition to a tour of the collection and facilities, Dr. Black points out media resource and other teaching aids available, demonstrates the library's various access systems, and arranges for a seminar or session with G/CA LS (Guelph Computer Assisted Literature Searching) or G/CA RS (Guelph Computer Aided Retrieval Service), as appropriate.

This service is also available for any faculty member who feels the need of an update in his library skills.

UNIVERSITY STAFF

The Library offered general seminars in information retrieval during the past year, specifically aimed at those interested in on-line systems and terminals. Beginning in this fall semester Mrs. Ellen Pearson, assistant librarian, Information Services, is co-ordinating a program designed to meet more directly the information needs of various academic and administrative departments — personnel, financial and counselling.

NON-UNIVERSITY TOURS

Because of the public nature of the University, the Library is also accessible to individuals and groups from beyond the campus borders. Whether the need is for bibliographic instruction for non-university students, for individual assistance, or for general tours of the building, the Library has made arrangements to accommodate the request.

G/CARS

Guelph Computer Aided Retrieval Service

The spectacular growth of on-line bibliographic data base services (offered by the University of Guelph Library in its G/CALS service) during the past five years has been paralleled, if not exceeded, by the growth of non-bibliographic on-line data bank services. These data banks provide answers, facts, numbers and data directly, rather than pointers or references to other resources.

At present there are more than 150 publicly available non-bibliographic on-line data banks in the areas of business and economics, social sciences and education, and science and technology. Many of these are international in scope, and most are available on host computers accessible through Telenet,

Tymnet, or special international networks operated by the on-line service organizations. The same terminal used to access bibliographic data bases can be used to access non-bibliographic data banks.

The Library will be offering access to source data bases in addition to its other data base information services. Contracts have not yet been arranged with all suppliers; Mrs. E. Pearson would be interested in comments.

Non-bibliographic data banks cover three major subject areas:

Business and Economics

Includes data banks of U.S. and international economics and financial statistics, industry-specific statistics and corporate financial information:

CITI BASE, a U.S. economics data bank.

EXSTAT, a financial information data bank on some 2,000 U.K., European, Australian and Japanese companies.

BI/DATA, contains approximately 20,000 time series of historical data on national accounts, demographics, labor force, foreign trade, production and consumption for 130 countries.

Canadian PMB, contains survey data on the audiences of 40 consumer magazines and usage in 582 different categories of products segmented by major metropolitan markets and population size groupings.

Chase Econometric's Economic Data-banks, contain 12 U.S. national, regional and industrial historical time series data bases, three international historical time series data bases, and several forecast data bases.

Social Sciences and Education

Includes data banks with demographic data, general social science studies, and education/counselling information:

IMPRESS, contains over 80 studies, each with from 10 to 1,000 variables; topics covered: U.S. census information, election surveys since 1948, six years of data from National Opinion Research Corporation's General Social Survey, and anthropological and land use studies.

CENSUS 71, contains demographic data on major municipalities from the Canadian government's 1971 census.

TRADAR EA, contains data derived from the latest census figures for the U.S. and Canada and includes current-year estimates and projections by National Planning Data Corporation.

Science and Technology

Includes data banks with chemical and physical properties data, technology transfer information, and information in selected other scientific areas:

- CRIB, contains metallic and non-metallic mineral resource information

for the U.S. and over 95 other countries; records contain both textual and numeric data on mineral deposits and mineral commodities; data available include deposit name and location, commodity information, mining economics, exploration and development, description of deposit, geology and mineralogy, production, and reserves.

MSSS (Mass Spectral Search System), contains mass spectra of more than 31,000 compounds; each spectrum is identified by CAS name and registry number, molecular weight, molecular formula and Wiswesser Line Notation; a Quality Index based upon the presence or absence of certain types of errors is assigned to each spectrum.

OHM-TADS (Oil and Hazardous Materials — Technical Assistance Data System), contains data gathered from published literature on materials designated oil or hazardous substances; up to 126 data fields may be present for each material. CR IS, contains descriptions of agriculturally related research projects; covers research sponsored or conducted by USDA research agencies, state agricultural experiment stations, etc.

CR YST, contains the Cambridge crystal file of data on organic and organometallic structures; each entry contains CAS name and registry number, molecular weight and formula, space group and cell parameters.

Did you know?

The Library answers or can help you answer most of your information problems — at a variety of levels and from a vast array of resources available in either the University of Guelph system, or from a library and information network that is world wide.

The **Information** Desk provides answers to such quick information questions as:

- What is the address for the Smith Paper Box Company in Woodstock, Ontario?, or
- What is the phone number of the University of Western Ontario in London?

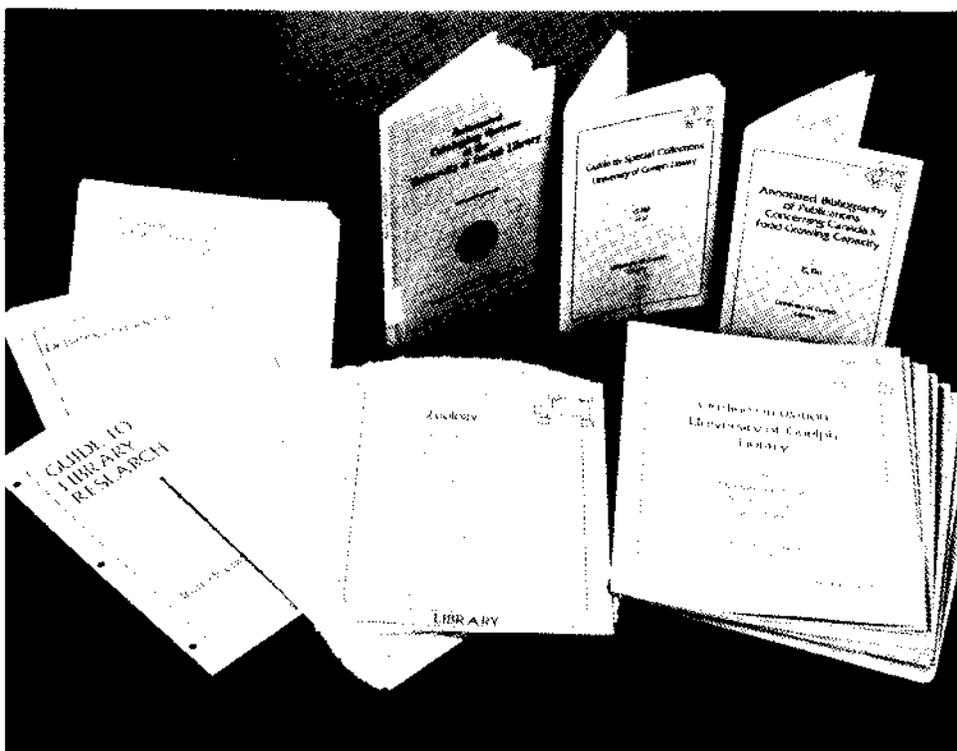
Reference staff at the reader service desks in the subject divisions and Documentation and Media Resource Centre use subject expertise and more extensive resources to help research essay topics or management problems or to begin work on a major paper or thesis.

What is the relationship between performance evaluation and salary administration?

- How much information is available on fish pond marketing; who else is active in this field, in North America, Europe or Russia?
- Is a particular social aberration unique to this culture and society?

A **Weekend Reader Service Desk** has been established this semester to extend basic reference and information services to both Saturday and Sunday afternoons. Staffed on a rotating basis with librarians and library associates from the various subject divisions, this desk offers a new service concept which should assist in interpreting the collection of more than one million volumes in the University of Guelph Library, or in putting users in touch with resources of other libraries.

Library Networks are becoming more formalized and more extensive, with inter-university borrowing and transit systems, union lists of serials or documents, and complementary collection policies enhancing the first co-operative system, interlibrary loan. Anticipated within the next few years are direct computer or terminal links to the libraries of other Ontario, Canadian or American universities in a distributed information network. Recent acceptance of the University of Guelph Library into the Association of Research Libraries, which includes Harvard, Yale and Berkeley among its 110 members, should also extend the resources available to the Guelph academic community.



The Library has published over 100 items, each aimed at increasing user knowledge of Library materials and systems.

Library publications

Most library users are familiar with the many forms of access produced by the Library, the various catalogues for example. They may be less familiar with the variety of study and service guides, bibliographical aids to scholarly research, and special technical reports that the Library publishes in order to provide more information about the University of Guelph Library collections.

Study Guides

Study guides focus on specific subject areas or topics, such as agricultural economics, Canadian literature in English, and energy. In all, some 70 different topics are covered. The guides are printed on three-hole punched single sheets of colored paper and are available near each of the Reader Service desks in the subject divisions appropriate to their topics. These guides offer users a selected list of resources available in the Library for information on the given topics. The sources range from specialized encyclopedias, bibliographies and handbooks, to abstracting/indexing services and machine-readable data bases.

Some guides, such as those on book reviews and biography, cover certaintypes of information rather than specific topics. Others explain highly specialized information sources within the collection such as the *Debates* and *Journals* of the Canadian parliament or the federal and provincial sessional papers. The format for these guides is the same as for the topical sheets.

Guide to Library Research

Library users who are less familiar with basic research strategy can turn to the four-page *Guide to Library Research*. It covers all the basic steps and methodology required to receive utmost benefit from the resources and collections in the University of Guelph Library. Primary and secondary sources are clearly explained, with examples on how to gain access to the information in both monographs (books) and periodicals (journals).

Service Guides

Service guides deal with the policies and regulations of the Library — when it is open, what services are offered and how to get them, how the collection is arranged within the building, how to use the card and other catalogues. Some service guides explain special groups of materials, such as the collection of maps and atlases, films, or the Documentation and Media Resource Centre. Others offer mini-maps of each floor, showing the locations of all the Reader Service desks, microform equipment, photocopiers, study areas and the arrangement of books and journals. These service guides are available at the square kiosk in the card catalogue area on the first floor. In the subject divisions the various service guides are displayed beside the study guides specific to the Division.

Bibliographies of the Guelph Collection

Aids to scholarly research may be found in the series of bibliographies compiled by

librarians at the University. Topics include those of current concern (Canada's food-growing capacity), as well as those of historical interest (Canada in the Victorian era). Copies may be consulted in the Documentation and Media Resource Centre, or purchased through the Library Administration office on the third floor.

Technical Reports

The Library's standing as an innovator, a holder of important research collections, and as a leader in the field of automation for improved user services is reflected in a series of special technical reports. These contributions to the field of library and information science range from descriptions of automated systems to a study of periodical usage within the Library. As with the bibliographical aids, the Library's reports are available in the Documentation and Media Resource Centre, or may be purchased through Library Administration.

Special Collections

Of particular interest to Library users is the *Guide to Special Collections* published this year. An ongoing series of updates is planned in order to bring notable current acquisitions to the attention of scholars. Included in this first *Guide* is a description of the important apiculture, Scottish history and early Canadian travel collections in the University of Guelph Library.

G/CALS

Guelph Computer Assisted Literature Searching

What it is

Using computer-based search programs to scan the growing publishing output of science, engineering, social science, and the humanities G/CA LS provides an alternative to a manual literature search. Just about any subject, from Aristotle to zoology, may be searched to retrieve references immediately or to produce a printed bibliography. Until recently the emphasis has been on science and technology, the social sciences, business and education, but there are now data bases which cover art, literature, linguistics, law, philosophy, and government publications (including parliamentary and congressional debates and hearings). Most of the data bases correspond to one or more printed sources, usually abstracting or indexing services, e.g. *Psychological Abstracts* or the *Bibliography of Agriculture*.

The result of G/CA LS is a customized list of references printed either at the keyboard computer terminal while the search is being performed (on-line), or on a high-speed printer at the computer location, and mailed to the user (off-line). These literature searches may be divided into two types: retrospective and current awareness.



Keyboard terminals in McLaughlin Library permit exhaustive literature searches through connections with computer facilities in Canada and the United States.

How to use G/CALS

Because planning before the actual search takes place is critical to its success, a preliminary appointment should be made with an appropriate library staff member by enquiring at any Reader Service desk or at the main Information Desk.

Working with a search editor/reference librarian, the requestor prepares an "interest profile" tailored to meet his or her specific needs. The resulting profile is a group of key words, title terms, subject headings or descriptors, authors' names or institution names linked in AND, OR, or NOT relationships.

In order to realize the maximum benefit from, and to increase the efficiency of a search, a user is urged to be present while his or her search is being carried out. Through a computer terminal linked to a system supplier by a telecommunication network, the search editor and the requestor "talk" to a remote computer. The computer then performs the search and reports the results instantly; at any point the search editor and the user may interact with the computer to modify the search results.

When to use G/CALS

Retrospective search by G/CALS is generally used for creating a one-time bibliography tailored to meet a user's exact specifications and includes a search of the total file or data base.

Current awareness or SDI (Selective Dissemination of Information) through G/CALS implies a subscription or on-going service. The user's interest profile is submitted for batch searching to the selected data base service supplier. When a new computer tape of the selected bibliographic data base is received by the service supplier, (usually bi-weekly or monthly), the profile is passed against it and a printout of relevant citations is mailed directly to the subscriber. A profile may be changed without cost at any time to make a search more, or less, specific in depth of coverage, or to reflect the subscriber's changing interest.

Why use G/CALS?

G/CALS: (a) saves time because the search program can access millions of bibliographic records in seconds; (b) allows more flexible access to the information sought, as any number of search terms may be coordinated to produce a very specific end product, or any field of the data base may be searched to the exclusion of other fields; (c) permits dynamic interaction between the searcher and the search program/data base to modify a search in progress; and (d) may be more current than a manual search on the same topic — in most cases the paper copy of the abstracting and indexing services is generated from the corresponding machine-readable (computer) data base.

How much does G/CALS cost?

The cost of a G/CALS retrospective search, which can vary widely with the subject involved and the coverage desired, is based on three factors:

- (a) Telecommunications: a flat rate which covers one-half hour of long distance communication with the computer.
- (b) Connect time: a charge for search computer time used, which varies from about 30 cents to more than \$2 per minute, depending on the subject data base selected.
- (c) Printing: a charge which covers the cost (royalties, paper, and mailing) of having the retrieved references printed off-line.

Typical searches cost \$20 to \$35, although useful searches in some fields, especially agriculture can be performed for less. Extensive searches involving several data bases may, of course, cost more.

Requestors may, with approval, charge the costs to a grant number or University departmental account. On-campus users may also be billed directly; any user may pay by cash or cheque when the search has been completed and all printouts have been received.

The cost of a G/CALS current awareness service depends upon the data base selected, and may vary from \$65 to \$170 per year.

Typical data bases available through G/CALS

DATA BASE	SUBJECTS COVERED
CNI I nfoGlobe National Newspaper Index Quebec-actualit6	<i>Globe and Mail, Toronto Star, Vancouver Sun, Winnipeg Free Press</i> full text of stories appearing in the <i>Globe and Mail</i> from November, 1977 <i>Christian Science Monitor, New York Times, Wall Street Journal</i> <i>Le Devoir, La Presse, Le Soliel</i>
CBPI INFORM Management LABORDOC Accountants Index	ADM I N I ST RAT I ON/B US I N ESS/ECONOM ICS corporate and labor events, financial reports, includes the <i>Financial Post, Financial Times, Globe and Mail</i> all phases of business management and administration, finance, banking, data processing, economics, stocks, marketing, statistics and business law human resource development, social issues, commodities and goods industrial relations, occupational safety, economics, social development accounting, taxation, auditing, investments, financial management, financial reporting and management
AGRICOLA BIOSIS CHEMCON CAB FSTA Energyline INSPEC SCISEARCH	AGRICULTURAL, BIOLOGICAL AND PHYSICAL SCIENCES agricultural sciences, forestry, nutrition all aspects of life sciences from nearly 8,000 journals, symposia, reviews, reports, etc. worldwide coverage of chemistry, chemical engineering and chemical aspects of the life sciences agricultural and biological information from over 8,500 journals, books, reports, etc. research and new development literature related to food science and technology energy economics, international political and economic issues, research and development, resources and reserves, environmental impact worldwide coverage in physics, electrical/electronics engineering and computers and control multi-disciplinary index to the literature of science and technology
Social SCISEARCH Art Modern America: History and Life Historical Abstracts LLBA PATS MLA Bibliography Psychological Abstracts Philosopher's Index E R I C	ARTS AND SOCIAL SCIENCES multi-disciplinary index to the 1,000 most important social sciences journals modern art and design literature indexed from books, dissertations, exhibition catalogues and some 300 periodicals together cover the world's periodical literature in history and related social sciences current selective access to the world's literature on language and language behavior from approximately 1,000 journals all fields of social science including political science, banking, public administration, international relations, economics, law, public policy, social welfare, sociology, education and social anthropology modern languages, literature and linguistics psychology and related disciplines from over 900 periodicals and 1500 books, technical reports and monographs philosophy and related interdisciplinary fields indexed from books and over 270 journals significant and timely education research reports and projects as well as more than 700 publications covering every segment of the educational profession
MEDLINE TOX LINE Exerpta Medica Index Veterinarius Veterinary Bulletin	MEDICINE more than 40 biomedical fields plus items in related fields from about 2,300 journals references pertaining to toxic chemicals and the adverse effects of drugs human medicine and related biomedical literature indexed from monographs, reports and over 3,500 journals available on CAB database

Catalogue information

The University of Guelph Library has a variety of catalogues that provide access to books, films, microforms, audio and video tapes, maps, periodicals, serials, government publications, research reports, theses, rare and archival collections.

The most important of these are:

Card Catalogues

Access to all library collections except periodicals, maps and documents, is possible through the card catalogue. Complete author/title and subject catalogues, each interfiled alphabetically, are located on the Main Floor of the McLaughlin Library, while the Veterinary Science Division has author/title and subject catalogues of the collection held in that location only.

The card catalogue is the only complete and current access to the Guelph collections, with the exceptions noted above.

MICRO/CATS

Microcatalogues for periodicals, documents, maps and films provide complete access to these forms of material. They also offer limited access to the book collections with no subject access.

MICRO/CATS are located next to their readers in every Reader Service area of the Library.

MICRO/CAT — Serials

MICRO/CAT — Serials contains records for all serials, annuals, periodicals, newspapers, etc., except for government publications. There are two parts of MICRO/CAT — Serials (1) main entry; (2) call number. The main entry listing is alphabetical by the title of the serial, except for those that have a corporate name or association as part of the title. These latter are listed under the corporate name; e.g. *Journal of the Chemical Society* is listed as "Chemical Society, London. Journal." The call number listing offers limited subject access; e.g. most political science journals are classed in JA-JX, or most mathematics serials are classed in QA.

There are three special MICRO/CATS — Serials: CUSS, QUATUL, and ULSS. The Co-operative Union Serials System (CUSS) gives, in alphabetical sequence, the serial holdings of nine Ontario university and two public libraries. The QUATUL list represents the serial holdings of four university libraries: Guelph, Waterloo, Wilfrid Laurier and McMaster. The Union List of Scientific Serials shows the locations and holdings of scientific serial titles in Canadian libraries.

MICRO/CAT — Maps

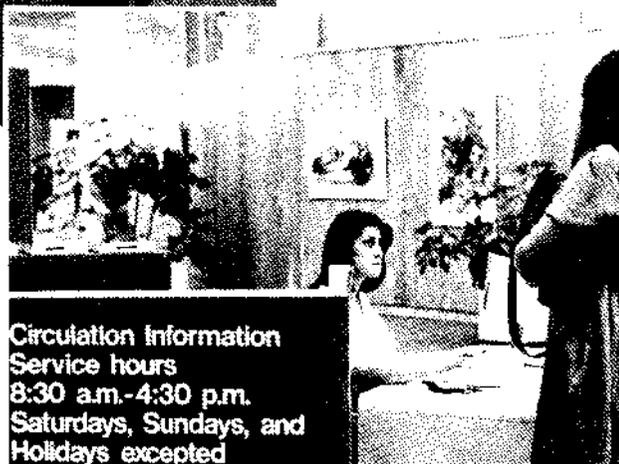
The map catalogues, on microfiche, give access to the map collection located in the

Library services meet user needs throughout the Library.

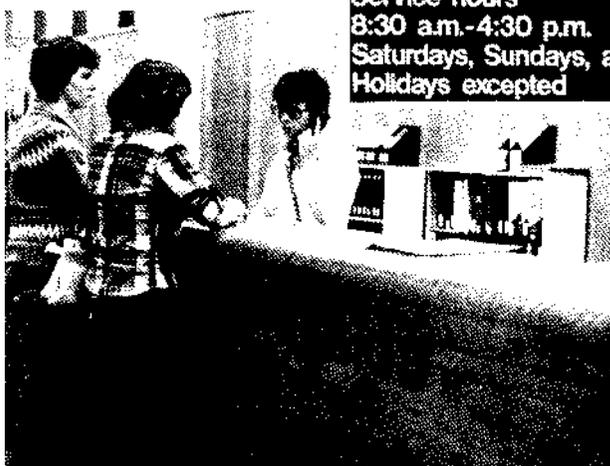


Catalogue Information

Hours
8:00 a.m.
Sundays, and



Circulation Information
Service hours
8:30 a.m.-4:30 p.m.
Saturdays, Sundays, and
Holidays excepted



Social Science area. There are four sections: (1) classified area listing; (2) dictionary area listing; (3) subject listing; (4) shelf listing. The classified area listing is alphabetical by area name, sub-arranged by classification number so that general maps of the area are listed first, followed by subject, region, down to cities, towns and townships of the area. The dictionary area listing and the subject listing are alphabetical. The shelf listing is in call number sequence.

MICRO/CAT — Films

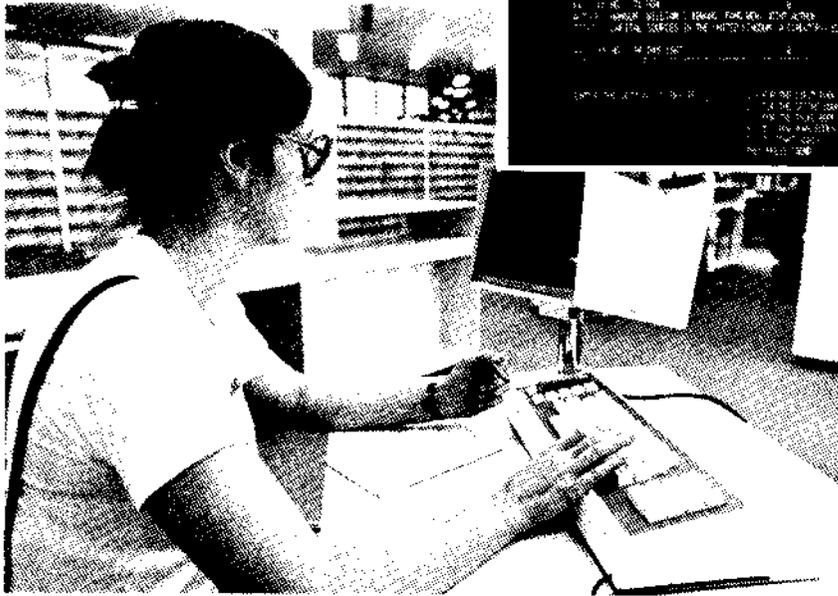
The microfiche film catalogue lists the

motion pictures that are in the Library collection. There are two parts to this catalogue: (1) title, (2) subject, and each is arranged alphabetically. There are also cards in the card catalogue for films.

MICRO/CAT — Documents

The Documentation Centre collection includes government publications, publications of international organizations, research and technical reports, annual reports, University of Guelph theses, and other University of Guelph publications. There are six MICRO/CATS

Public service terminals provide students and faculty access to the Library's internal data base.



giving access by (1) personal author; (2) title; (3) series; (4) corporate author; (5) serials; (6) KWOC (Key-word-out-of-context). The KWOC index is not a subject index but can be approached in a similar manner. It is an alphabetically arranged list of significant words taken from the titles.

There is also a special MICRO/CAT for documents, called CODOC, which contains records for documents held in the other university libraries of Ontario (excepting Brock, Trent and York).

MICRO/CAT — Books

As mentioned above, limited access to the material recorded in the card catalogue can also be found in MICRO/CAT — Books. There is a call number listing and a main entry listing. The latter is not a substitute for the Author/Title section of the card catalogue as it does not have the title, series, or additional author added entries normally found in the card catalogue.

CAT-ON-LINE

What it is

CAT-ON-LINE is a method of gaining access to the University of Guelph Library's file of circulating books or documents. Its primary use at this time is to determine if a circulating book is presently in the Library, so that the inquirer may either retrieve it from the shelves, or, knowing when it will return, place a hold on it. Books *on order* are also listed on the terminal display.

What it is not

CAT-ON-LINE is not a substitute for the CARD CATALOGUES or MICRO/CATS, nor will it be until sometime in 1981. It does not include access to reference books or serials, or to rare or restricted material. Nor does it contain references from an unused entry to another, or any form of subject access.

It should also be noted that filing rules in the system at present are, unlike the card

catalogue or CARD CATALOGUE's MICRO-CATS, letter by letter, so that Black, J. files after Blackie. Another feature which should be noted is the lack of internal decimals in the call number display. (These differences should disappear shortly.)

How to use

In order to move from one CAT-ON-LINE display or menu to another, the user need only press the SEND key, after carrying out any instructions displayed. If the screen is blank the SEND message will also result in a display. '1' + SEND leads to Borrower Inquiry, while '2' + SEND leads to Book Inquiry.

Circulation information

Information about circulating books, your status as a borrower, or loan and fine policies can all be obtained from two information services in the Circulation Division.

Borrower Inquiry

The newest of these services is the public inquiry terminal which allows the user, through the *Borrower Inquiry* function to determine:

- what he has borrowed;
 - due date of all such items;
 - number of books overdue, if any;
 - fines owing, if any; or,
- permits him to place a hold on a book.

These terminals are located in every Reader Service area of the Library. To receive circulation information, follow the simple instructions on the terminal screen after you have Keyed '2' for Borrower Inquiry (and pressed SEND).

Circulation Information Desk

This information desk provides a variety of services:

- complaints and inquiries concerning overdue, fine or recall notices;
- interprets circulation policies;
- deals with lost cards;
- validates new cards;
- arranges clearance reports

ICS terminals in the Library



Students use ICS terminals in McLaughlin Library.

For approximately three years there have been ICS terminals in the McLaughlin Library connected to the University's main Amdahl computer. These terminals, located on the main floor next to the Reserve area, provide access to APL, TSO, and CMS services for faculty, staff and students. Manuals covering these services, as well as other IBM manuals, are housed at the Library Reserve desk.

The use of the ICS terminals has been heavy and, as a result, ICS has recently asked the Library to make additional space available. After careful consideration the Library has

agreed to provide space for six extra terminals, which will be installed in the same location during the latter part of October, 1979.

Another service which will be available before the end of the fall semester is the capability of gaining access to the Library data base or collection file using any standard terminal on campus. Using the communications network centred in ICS, users will be able to determine what titles the Library holds and whether a book is in the Library or out in circulation, without coming to the Library. The actual date of commencement of this service will be announced later.

The question/answer board

The McLaughlin Library has had a Question/Answer Board in operation since the spring of 1977. This public facility was designed to supplement information available through direct contact at the Reader Service desks. It provides users with an opportunity to express complaints or comments anonymously if they desire.

The Board is mounted on a wall adjacent to the entry/exit control point and is visible to all users entering the building. Printed question/answer sheets in tablet form are mounted on the corkboard directly above the question deposit box. The box is unlocked and emptied three times per week by a staff member from the Information Desk. Answers to most questions appear within a week.

Approximately 400 questions have been received and replied to in the first two years. Many of these have precipitated actual changes in Library policy, procedure or practice.

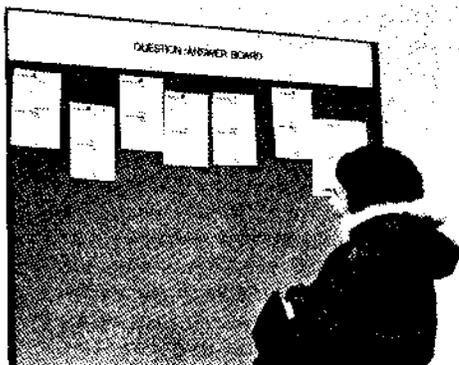
Some examples of such changes include:

- removing a number of stack indicators that were positioned low enough to be a physical annoyance to tall people;
- restoration of a computer produced list of audio and video tapes held at the Reserve Desk;
- disallowing semester loans for "browsing" paperbacks (popular reading material);
- relocating lounge areas away from high study areas.

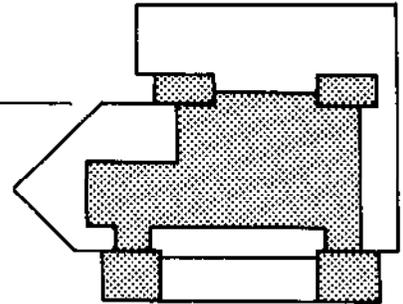
A large number of the questions are similar to queries asked in previous semesters.

These include inquiries about Library policies and procedures, physical design and operation of the building. A frequent question relates to the Library closing buzzer system, and Library staff have experimented with several sound frequencies and intensities over the years in an attempt to meet appropriate requirements.

The continuing and active use of this public information board facilitates an effective means of monitoring and responding to the current needs and concerns of the Library users. The Library staff hopes that everyone will use it.



LIBRARY



“Who to ask about what”

Service	Name	Ext.
Library Policies	M. Beckman	2159
Student and Faculty Liaison	J. Black	2181
Book and Serial Acquisitions		
What happened to an order?	T. Sauer	3852
Allocations and commitment		
Is this journal on subscription?		
What is the latest issue received?	Kardex Info.	3624
Government Publications		
Technical reports		
U. of G. Theses	V. Gillham	3627
Rare, Special and Archival Collections	J. Moldenhauer	3422
Catalogue Information		
Is this book, journal, document, map in the collection?		8173
Information Services		
On-line searches (G/CALS; G/CARS) discipline assessments	E. Pearson or	3794
Subject printouts from U. of G. Library files	R. Logan	3073
Orientation and Library Instruction		
U. of G. students	J. Kilbury	3605
U. of G. faculty	J. Black	2181
Other on and off campus groups	R. Logan	3073
Circulation Information		
Overdues, fines, University cards, Reference Desk		3621
Interlibrary Loan		
Information Desk		3617
Inter-university Borrowing		
Circulation Information		3621
Film Booking Office		2426
Other Public Service Information		
Science, Veterinary Science	D. Hull	2298
Humanities, Social Science	B. Katz	3628
Documentation and Media Resource Centre	V. Gillham	3627

Luncheon Special — 11:30 to 13:30, PCH.

Career Information Session — FACULTY OF EDUCATION, UNIVERSITY OF WESTERN ONTARIO, 12:00 to 14:00, UC 334. Drop in for program information.

Worship — CATHOLIC MASS, 12:00 Chapel, level 5, UC; IMMANUEL FELLOWSHIP, 19:00, 8th fl. Ige., Arts.

Tut Lecture Series — TREASURES OF TUTANKHAMUN, Ronald J. Leprohon, Education Officer of the Tutankhamun exhibit, the second and final lecture in the series, 12:10, UC 103.

Employment Search Program — THE RESUME, JOB LOCATION STRATEGIES, THE LETTER OF APPLICATION, 13:00 to 14:00, UC 301.

Office for Educational Practice Workshop — PHOTOGRAPHIC PRODUCT UPDATE, representatives of Kodak and the University's Illustration Services will be available to discuss new products, 13:00 to 16:00. For more information, call Ext. 3522.

ICS Event — SHARP APL JAM SESSION, Barry Stahlbaum, 14:00 to 16:00, ICS. To register, call Ext. 3046.

Public Lecture — HOW ADULTS LEARN — AN UPDATE, Prof. J.R. Kidd, department of adult education, OISE, 15:30, UC 103. Admission free.

OPIRG Free Film Series — ANIMATION FROM CAPE DORSET; THE MAN AND GIANT and CREE HUNTERS OF MISTASSINI, three Canadian films, 19:00, Land Arch. 204.

Lecture — ON THE TUTANKHAMUN EXHIBIT, Prof. Mahmoud Sadek, 20:00, Physical Sc. 105 is cancelled.

Panel Discussion — ISSUES OF SOCIAL AND TECHNOLOGICAL CHANGE, Prof. Fei Xiaotong, visiting professor from the Institute of Sociological Research, Peiping, and Drs. W.F. Whyte, Cornell University; M.K. Whyte, University of Michigan and Gerald Gold, York University, 20:00 to 22:00, Arts. 029.

Lecture — INTRODUCTORY LECTURE ON THE TRANSCENDENTAL MEDITATION PROGRAM, 20:00, Arts 315.

Dance Club — INTERNATIONAL DANCE CLUB, 20:30, Gryphon Room (upstairs at the Stadium). Everyone welcome.

THURSDAY, 79 11 01

Luncheon Special — TBA, 11:30 to 14:30, PCH.

Noon Hour Concert — THEODORE LETTVIN of the United States, piano, 12:10 and 13:10, Arts 107. Admission free.

Tut Film Series — DEATH AND BURIAL; THE WARRIOR PHAROAHs; THE KING'S COUNCILLORS; THE SCRIBES and SCIENCE AND TECHNOLOGY, five films, 12:10, UC 103.

Employment Search Program — THE INTERVIEW, 13:00 to 14:00, UC 301; for more information contact the Counselling and Student Resource Centre, level 3, UC.

Worship and Religious Meetings — CATHOLIC MASS, 17:00, Chapel, level 5, UC; ANGLICAN EUCHARIST, 17:10, UC 334; INTERVARSITY CHRISTIAN FELLOWSHIP, 19:00, 9th fl. Ige., Arts; CHRISTIAN DOCTRINE CLASS, 20:00, UC 334.

Job Hunting — INTERVIEWING SKILLS CLINIC, 18:00 to 21:00. Register at the Connection Desk, Counselling and Student Resource Centre, level 3, UC.

Meeting — NAVIGATORS NEW LIFE, 19:00, UC 442.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Prof. Stanley Saunders, director, Division of Music, 19:00, Cable 8.

Hockey — GUELPH vs. YORK, 19:30, Campus Arena.

Public Lecture — LIFE-LONG LEARNING — A GLOBAL PERSPECTIVE, visiting professor J.R. Kidd, department of adult education, OISE, 20:00, UC 103.



Professor Ab Moore, Director of the Office for Educational Practice, left, and President D.F. Forster, right, join Professor and Mrs. George Raithby on the verandah of Raithby House following the official dedication ceremony held during Homecoming Weekend.

Credit courses for winter semester

The University plans to offer the following credit courses during the winter semester, 1980. Although the final schedule has not been developed, anyone who is interested in taking one or more of the courses should contact Mrs. Sharon Anthony, Ext. 8725. Individuals who have never undertaken University courses for credit are encouraged to review the information on the General Studies Program, page 123 of the current *Undergraduate Calendar*.

Cou rse No.	Course	Day	Time p.m.
02-222	Financial Accounting	W	7-10
13-102	Foundation Studio	T & R	6-9
13-110	Drawing I	M & W	6-9
13-152	History of Western Art	T & R	7-8:30
13-210	Drawing II	M & W	6-9
13-356	The Reformation Area	M & W	7-8:30
13-420	Painting III	M & W	6-9
13-430	Sculpture III	T & W	6-9
13-450	Seminar on the Art & Archeology of the Old World	T	6-9
21-427	Administration of Programs for Young Children	W	6-9
24-100	Greek & Roman Civilization	W	7-9
27-202	Introduction of Computer Structures	To be announced	
27-240	Introduction to Information Processing	To be announced	
27-453	Data Base Systems & Concepts	To be announced	
36-110	Introductory Macroeconomics	M & W	6-7:30
37-274	Children's Literature	R	7-10
37-120	Major Modern Writers	W	7-10
37-101	English Literature II	M	7-10
37-283	Literature of the New Testament	T	7-10
39-310	Development of Human Sexuality II	T	7-9
39409	Topics in Family Studies: Seminar in Gerontology	R	6-9
44-110	Introductory French I	M & W	7-9
44-111	Introductory French II	T & R	7-9
44-202	French Literature	M & W	7-9
45-357	Latin America	M	6-9
49-101	Emergence of Modern Europe	T	7-10
49-260	Canadian History Since 1850	W	7-10
49-265	American History Since 1860	R	7-10
49-353	Celtic Britain & Ireland since 1603	W	7-10
56-100	Introduction to Design	M & W	7-8:30
59452	Park & Recreation Administration	T	6-9
63-100	Introductory Calculus I	T & R	7-9
63-108	Elements of Calculus I	M & W	7-9
67-100	Structure of Music I	M	7-10
71-200	Nutrition & Health	To be announced	
74-101	Social & Political Issues	M	7-10
74-210	Critical Thinking	W	7-10
78-130	Introduction to Canadian Government & Politics	T & R	7:30-9
78-207	Politics of Agriculture	M & W	7:30-9
78-324	Civil Liberties in Canada	R	6-9
80-120	Dynamics of Behavior	T & R	5:30-7
80-236	Introductory Experimental Method	R	6-9
80-330	Topics in the Psychology of Women	T	6-9
80-331	Social Psychology II	M & T	6-9
80-332	Statistical Principles in Psychological Research	M & W	6-7:30
80456	Humanistic Psychology	R	6-9
86-110	Principles of Sociology	W	7-10
86-115	Social Anthropology	T	7-10
86-207	Theory of Social Deviance	M	7-10
86-212	Introductory Methods — Sociology	R	7-10
86-412	Occupations & Professions	R	7-10
88-111	Intermediate Spanish	M & W	7-9
89-100	Basic Statistics	M & W	7-9
92-150	Man in the Natural World	To be announced	

Consult the current *Undergraduate Calendar* for further information on course descriptions and prerequisites. In the information above, Thursday course offerings are designated by "R."[]

Next Week at Guelph

THURSDAY, 79 10 25

Exhibit — SEVEN PRAIRIE PAINTERS, organized by the Art Gallery of Edmonton, circulated by the Art Gallery of Ontario, at McLaughlin Library, main floor, until 79 11 18.

Continuing Education — WOMEN IN MANAGEMENT, Etta Connor, 09:00 to 16:00; course continues 79 10 26. To register, call Ext. 3956, 3957 or 3958.

Biomedical Sciences Seminar Series — ALLERGIC AIRWAY OBSTRUCTION: HISTAMINE? PROSTAGLANDIN? SLOW REACTING SUBSTANCE? Dr. J.F. Burka, department of pharmacology, University of Western Ontario, 11:00, OVC 309.

Luncheon Special — 11:30 to 14:30, PCH, UC.

Noon Hour Concert — ANGELA HEWITT from Canada, piano, 12:10 and 13:10, Arts 107.

Employment Search Program — THE INTERVIEW, 13:00 to 14:00, UC 301.

Worship and Religious Meetings CATHOLIC MASS, 17:00, Chapel, level 5, UC; ANGLICAN EUCHARIST, 17:10, UC 334; INTERVARSITY CHRISTIAN FELLOWSHIP, 19:00, 9th fl.lge., Arts; CHRISTIAN DOCTRINE CLASS, 20:00, UC 334.

Office for Educational Practice Workshop — SMALL GROUP WORKSHOP to discuss ways of learning enhanced by a small group setting, 16:00 to 18:00. At a second workshop, 79 11 08, 16:00 to 19:30, participants will practise and receive feedback on small group teaching skills. To register, call Ext. 3522.

Athletics — WOMEN'S SWIMMING INTRASQUAD, 17:00, Athletics Centre; WOMEN'S ICE HOCKEY EXHIBITION GAME, 19:15, Guelph Arena. Meeting — NAVIGATORS NEW LIFE, 19:00, UC 442.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Prof. Stanley Saunders, director, Division of Music, 19:00, Cable 8.

University of Guelph Faculty Association — COUNCIL MEETING, 19:30, board room of the Faculty Club, level 5, UC.

Live Series — CALIFORNIA, 20:00, PCH. Admission \$1.

Jacobean Drama — A CHASTE MAID IN CHEAPSIDE by Thomas Middleton, staged by the Department of Drama, 20:00, the Inner Stage. Tickets, at \$2, obtainable from the central box office, UC courtyard. Final performance 79 10 26.

FRIDAY, 79 10 26

Video Tape — MAKING MOONSHINE and GO DOWN MOSES, 11:00 to 15:00, UC 103.

Luncheon Special — 11:30 to 13:30, PCH.

Worship and Religious Meetings — CHRISTIAN FACULTY AND GRADUATE STUDENT FELLOWSHIP, 12:00 to 13:00, UC 301; MUSLIM FRIDAY PRAYERS, 12:30, UC Chapel, level 5.

Psychology Colloquium Series — ETHOGENY AND RULES OF ADDRESS, Rolf Kroger, University of Toronto, 12:30, UC 429.

Two-Bit Flick — MURDER BY DEATH, Peter Falk and Peter Sellers, 19:00 and 21:00, Phys. Sc. 105.

Body Awareness — MIND AND BODY CONTROL THROUGH BIOFEEDBACK, 19:30, Human Kinetics 209.

SATURDAY, 79 10 27

History Conference — 16TH CENTURY STUDIES, 09:00 to 17:30, Arts 116-121. For further information call Nancy Fitzpatrick, Ext. 3887.

Continuing Education — AGRICULTURAL HISTORY OF ONTARIO, 09:30 to 16:30; to register and for further information, call Ext. 3956, 3957 or 3958.

CSA Entertainment — THE COOPER BROTHERS, 20:00, PCH. Admission \$2.

SUNDAY, 79 10 28

Worship and Religious Meetings — UNIVERSITY BIBLE STUDIES, 10:00, UC 429 and 442; CATHOLIC MASS, 10:10, PCH; MUSLIM ZOHAR PRAYERS, 13:30, 9th fl.lge., Arts.

TV — SPOTLIGHT ON UNIVERSITY OF GUELPH, Prof. Stanley Saunders, director, Division of Music, 11:00, Cable 8.

Fall Meeting — RHODODENDRON SOCIETY OF CANADA, 13:00, Arboretum Centre. Everyone welcome; admission free.

Cine Series — THE BIG FIX, 19:00 only. WMH. Admission \$1.75.

Concert — featuring NORMA FARRIS, contralto, STELLA KERSON, piano, LOIS LANNEVAL, organ and RON READ, lute, 20:00, St. Andrew's Presbyterian Church, Norfolk and Suffolk Streets. Tickets are \$3 (general) and \$2 (student and senior citizen). Proceeds to aid the "Boat People."

Music Interview — ANYA LAURENCE, teacher/artist in the Division of Music, will present a musical discussion and recital, 21:00, over Guelph radio station CKLA-FM.

MONDAY, 79 10 29

Chinese Students Association Lecture Series — EDUCATION IN CHINA, Miss Morphy-Edward, History, 12:00, UC 442.

Tut Lecture Series — TREASURES OF TUTANKHAMUN, Ronald J. Leprohon, Education Officer of the Tutankhamun exhibit, 12:10, UC 103.

Women's Hour — MARRIAGE AND A CAREER — IS IT POSSIBLE?, 12:10, UC 441.

ICS Course — INTRODUCTION TO SPSS, Dr. N. [son, 13:00 to 16:00, ICS; continues 79 11 02. To register, call Ext. 3046.

Continuing Education — FIVE RENAISSANCE PORTRAITS, Prof. G. Bartocci, 5 sessions, 19:30 to 21:30; to register, call Ext. 3956, 3957 and 3958.

Concert — ANYA LAURENCE, piano, guest artist for the Edward Johnson Foundation, 20:00, Chalmers United Church, 50 Quebec Street.

Meeting — CHRISTIAN PERCEPTIVE, Dr. H. Hart, Institute for Christian Studies speaks on SCIENCE AND CERTAINTY, 19:00 to 21:00, UC 334.

TUESDAY, 79 10 30

Biomedical Sciences Series — IMPROVED PROCEDURES FOR INTERMICROSCOPIC CORRELATION OF SKELETAL MUSCLE, Richard Vriend, Biomedical Sciences, 11:00, OVC 309.

Study Skills Seminar — EXAMINATION WRITING SKILLS, 12:00 to 13:00, UC

Worship — ANGLICAN EUCHARIST, 12:10, Chapel, level 5, UC; CATHOLIC MASS, 17:00, Chapel, level 5, UC.

Our World — NO ACT OF GOD — a film on nuclear energy, 12:10 to 13:00, UC

Tut Film Series — KING TUT, THE PHARAOH; THE LAND; THE NILE FLEET and THE TEMPLE, four films, 12:10, UC 103.

Employment Search Program — THE SELF ASSESSMENT, 13:00 to 14:00, UC 301.

Physics Colloquium Series — SURFACE STRUCTURE ANALYSIS USING MEV ION BEAMS, Dr. L.C. Feldman, Bell Labs., Murray Hill, New Jersey, 16:00, Phys. Sc. 113.

Office for Educational Practice Workshop — A TEACHING/LEARNING ALTERNATIVE, investigates the method of having students working together on a project, 16:30 to 17:30; for further information, call Ext. 3522.

Job Hunting — RESUME WRITING CLINIC, 18:00, Counselling and Student Resource Centre. No need to register; just drop in.

Career Information Session — TEACHING AND ALTERNATIVES, panel discussion, 19:00, UC 442.

WEDNESDAY, 79 10 31

ICS Course — ON-LINE DEBUGGING TECHNIQUES FOR PL/1 COMPILERS, Bill Davidson, 09:00 to 12:00, ICS; to register, call Ext. 3046.

Sale — CAMPUS GALLERY CLUB PRINT SALE, 10:00, UC courtyard.

Continued on page 11.

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