

guelph

UNIVERSITY NEWS BULLETIN

Volume 24 Number 30

80 09 11

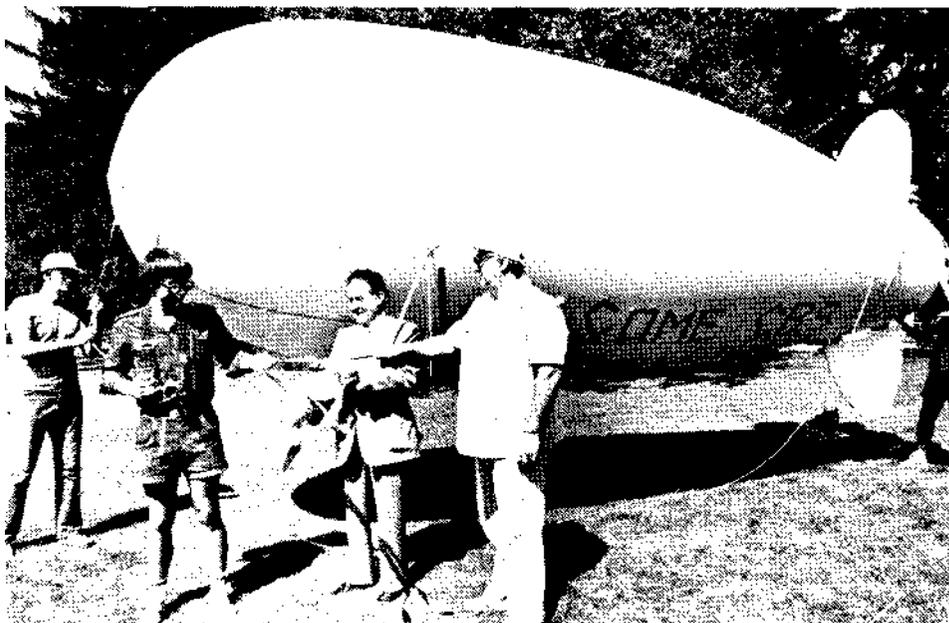
New students get "Guelphed"

Freshmen students put away their "I Got Guelphed" buttons and settled into classes Monday after a great orientation week. Organizers said the spirit exhibited by the students was reminiscent of the early 1960's and the students enjoyed the many new social events, especially the scavenger hunt.

And so did Guelph Mayor Norm Jary who was "kidnapped" from his home in a truck driven by Aggies. The Aggies had to turn the Mayor in at the Athletics Centre in order to collect 1,000 points in the scavenger hunt, which they won. Mayor Jary told the *News Bulletin* Monday that the caper was good fun, that he was glad that he is now worth the highest number of points in the hunt, and, yes, he was suitably attired when the students rang his doorbell.

The Mayor also participated in the ribbon-cutting ceremony to launch the balloon, part

Continued on page 2.



Mike Hackenberger, president of the CBS Students' Council, left, Guelph Mayor Norm Jary, centre, and CBS Dean, Keith Ronald, cut the ribbon to launch the CBS balloon during orientation week activities.

Aggie Week '80: Let's, rip, roar and ram!

Aggie Week '80, the traditional September event organized by the Student Federation of the Ontario Agricultural College to increase awareness of the College and agriculture, gets under way Sunday, September 14 under the motto, "Let's Rip, Roar and Ram."

Events begin at 5:15 p.m. with the first games of the Borden Ball competition. These will continue nightly until Wednesday when the finals will be played.

Aggies will don pyjamas Monday noon to participate in the annual Bed Race. The Talent Show follows at 7:30 p.m. in Peter Clark Hall of the University Centre.

Although organizers cannot guarantee there will not be hornets in the syrup, they do feel confident that there will be "lots of pancakes" for breakfast on Tuesday and Wednesday mornings from 7 a.m. to 1 p.m. outside the University Centre and Creelman Hall. The inimitable Leg Auction takes place at 7 p.m. in the courtyard of the University Centre, followed by a Square Dance Pub at 9 p.m. in Peter Clark Hall.

Aggie organizers, ever solicitous for their faculty members, have spent the summer

searching Ontario pastures for a good natured cow for OAC Dean, Clayton Switzer and Professor Mike Jenkinson to milk at the Cow Milking Contest. To see if they succeeded, why not drop by on Wednesday, at 4 p.m. in the Library Plaza?

The Tug of War and the Borden Ball finals begin at 5:15 p.m. on Johnston front campus followed by the Aggie Games at 7:30 p.m. in Alumni Stadium. Tickets will be sold at the Games for the Aggie Games Pub to take place afterwards in Peter Clark Hall.

Branion Plaza will be the scene of a Weight Guessing contest from 11 a.m. to 4 p.m. on Thursday. Participants may be in for a surprise when they try to guess how much a ram weighs.

A performance over the noon hour by champion fiddlers, Eleanor and Graham Townsend, will be one of the special treats of Aggie Week. The fiddling demonstration will take place on the Bullring Green or, in case of rain, in the courtyard of the University Centre.

Aggie Week's alumni speaker, Peter Hannam, OAC '62, will address the University community at 5 p.m. in War Memorial Hall.

Mr. Hannam is a Guelph area farmer, former president of the Ontario Federation of Agriculture and now president of the CanFarm Co-operative.

Thursday's events will conclude with a Vegas Night starting at 8 p.m. in Creelman Hall.

Aggie Week closes for another year on Friday, September 19, but organizers believe this day "boasts some real Aggie events." Anyone hankering to be a cowboy can get a workout at the Calf Scramble scheduled for 2:30 p.m. near the Dairy Barn. Afterwards there is to be a Tractor Rodeo at 3:30 p.m. in the parking lot in front of the Athletics Centre.

Finally, there will be a Round-up Pub from 8 p.m. to 1 a.m. in Peter Clark Hall.

The Aggie Week executive hope all Aggies will participate in as many events as possible. Profits from Aggie Week will go towards a special project of the Ontario Community Centre of the Deaf. □

Inside this issue: ICS non-credit courses for the fall semester, 1980.

Non-degree courses aim at enjoyment, personal growth

Enjoyment is the keynote of the University's slate of non-degree courses for the fall.

Meeting others who share your tastes is a large part of the pleasure of these courses, says the chairman of Continuing Education, Professor James Murray. "People come initially because they are interested or curious about a subject; then they discover that their lives are enriched as much by the people they meet as by the material covered in class." Examinations are not required for the non-credit courses.

As always, the fall courses appeal to a wide variety of tastes. Men and women are encouraged to deal more effectively with others by learning to *Stand Up, Speak Out, Talk Back*, in one of several workshops geared towards personal development. Dealing more confidently with yourself is the aim of a one-day workshop on *Stress Management*.

The *Inward Path* explores the world of oriental mysticism through study of the major scriptures of Hinduism and Taoism. Dr. P. Hourihan's approach will be particularly appealing to those interested in meditation, mystical experiences, or a universalist approach to religion. To be a successful problem-solver and innovator, you must discover your own creative genius, contends Prof. Murray. In his one-day workshop, *The Creative Genius Within*, Prof. Murray encourages freedom of imagination and intuition.

Arts courses are a popular part of the non-degree program. For a working knowledge of how Quebec French and standard French differ, Languages and Literatures professor Dana Paramskas' class discusses *Le Francais de Chez Nous*.

When words fail, the language of music prevails. *Symphonic Music*, with Director of the Department of Music, Professor Stanley Saunders, is a perennial favorite. Humming, explaining, enthusing, Prof. Saunders alternates his lively lecture format with attendance at symphonic performances in Toronto, Hamilton, Brantford and Guelph. *Women in Music*, with pianist Anya Laurence, provides an in-depth look, through lectures and performances, at the troubles and triumphs of these women through the ages. Ms. Laurence is the author of *Women of Notes*.

The effects of existential thought upon twentieth century art, religion and culture are examined in *After Existentialism*.

In response to many requests, courses geared towards professional development are well represented in the program. Courses on salary administration and on the theory and practice of public policy and administration are part of certificate programs in *Personnel and Industrial Relations* and in *Public Policy and Administration*, respectively.

Applied Marketing Principles provides a practical workshop for those who want to make effective use of their advertising dollars

in reaching, informing and persuading potential customers. Developing effective job hunting skills can be a challenge for the executive and beginner alike. Both are helped in this task at a one-day workshop hosted by specialists from the Counselling and Student Resource Centre.

Travel is one of the most pleasurable ways to learn. Whether your destination is a week-end in Toronto or a year in Europe the same basic principles apply, according to world traveller, Valerie Losell. In the *Creative Traveller*, Ms. Losell shares her strategies of coping with foreign cultures, language barriers, unknown cities and situations. *Walking in the Scottish Highlands* provides a brief, practical guide to hiking in an area famous for its scenery, whisky and lack of trespass laws, while *German Culture* covers that country's folklore, cuisine, topography and entertainment.

Skill oriented workshops include *Public Speaking, Nuts and Bolts of Word Power, Indoor Plants, Principles of Mobile Hydraulics, Novice Farmer Courses* and, for those who enjoy spinning winning tales, *Creative Storytelling* with Bob Munsch, Family Studies, and children's author.

Most courses convene one night each week, and vary in length from five to 10 sessions.

Community groups with requests for learning experiences are invited to contact the University. "Ideally, we would like to bring together our resources and the ideas of people in Guelph," says Prof. Murray. "If a group is sufficiently large, or the needs expressed are of common concern to others in the community, a course will be developed."

A complete calendar of Continuing Education courses, with dates and costs, was distributed to every home in Guelph and surrounding area last week. University employees may obtain a tuition waiver application form for these courses from the Employment Services and Training section of the Personnel Department, level 5, University Centre. Further information may be obtained from the Continuing Education Division, Room 103, Johnston Hall, Ext. 3956. □

THE FACULTY CLUB'S annual general meeting is Wednesday, September 24, 5:15 p.m., level 5, University Centre. The election of officers and new directors will take place. For more information contact Club manager David Overton, Ext. 2211 or Pat Tucker, Grounds, Ext. 3050.

COURSES FOR boaters in seamanship, sailing, advanced piloting, navigation, marine maintenance and marine weather, will again be offered by the Canadian Power Squadron this fall and winter. Registration will be Wednesday, September 17, 8 p.m. at Centennial C.V.I. For more information, contact Microbiology professor J-A. Carpenter, Ext- 3815.

John Tong

The University community was saddened by the news of the death of Psychology professor John Tong July 29.

Dr. Tong joined the Department in 1967, coming to Guelph from New Zealand where he was on the faculty of the University of



Auckland and also director of the clinical research unit at Kingseat Hospital. Prior to that, he held a number of clinical positions in hospitals and in the prison system in England.

Born and educated in England, Prof. Tong was a member of the Gloucestershire Regiment. He saw active duty during World War II and was wounded and taken a prisoner-of-war.

Prof. Tong gained the respect of both colleagues and students for his teaching abilities and he supervised a large number of graduate students who have gone on to successful careers. Prof. Tong was also a productive researcher who published work in a number of areas. His early work included research in clinical psychology, trans-cultural studies of mental illness, and experimental psychopathology. In recent years he turned to studying the effects of alcohol, nicotine and caffeine on factors underlying human performance, and a number of these studies have already been published.

Prof. Tong is survived by his wife, Sybil and son, Richard. □

JEAN-PAUL SARTRE'S *No Exit* will be presented by the Department of Drama Wednesday, September 17, Thursday, September 18 and Friday, September 19 at 8 p.m. at the Inner Stage, Room 101, Arts building. Tickets are available at the door.

New students

Continued from page 1.

of the special welcome activities for College of Biological Science freshmen sponsored by the CBS Students' Council. The balloon launching and outdoor barbecue was also the first of many activities planned to celebrate the College's 10th anniversary January 1. The Mayor refused a ride in the big balloon, however, remarking that balloons, like politicians, were full of hot air, and if he went up, he and the balloon might not come down again.

College Day on Friday was an unqualified success, according to students interviewed by the *News Bulletin*- Les Drysdale of Hamilton, who hopes to go into landscape architecture, and aspiring veterinarian, Susan Hannah, formerly of Kenya and now of Ottawa, felt the morning information sessions answered a lot of queries about how the system works. Craig Delmage, also of Ottawa liked the opportunity to talk directly with the Deans and the professors on a more personal, less formal level.

Enrolment statistics will be published in the next issue of the *News Bulletin*. □



Computing in the 1990's

By 1990, the University of Guelph will be transformed into a miniature copy of the "information society." In many ways the University is already fulfilling this role, but further transformations are possible.

What is an Information Society?

Observers of the social scene have declared that we are now in a post-industrial society. We have moved from an economy in which goods are produced by physical labor to an economy that is increasingly dominated by the information processing sector. The production, transfer, processing, and use of information has become one of the major areas of employment. Universities have always dealt with large volumes of information in both research and administration, and so, like many large companies, they have made increasing use of computer facilities.

Where We Are Today

Research carried out in the Department of Animal and Poultry Science provides an interesting example of the trend towards information processing. Before computers, dairy cattle breeders judged bulls on their conformation, because they assumed that a good-looking bull would produce cows that gave large quantities of milk. However, computers changed the way breeders judge their stock. By recording the milk production of a dairy bull's daughters, then entering the raw data into the computer for statistical analysis, genetic trends emerged. Some bulls, despite their beauty, would pass on to their daughters certain genetic traits which reduced the cow's milk production. The processing of information on chickens, beef and dairy cattle became vital to the improved genetic development of the various breeds. Today, records on 800,000 dairy cattle and 300,000 beef cattle are maintained, stored and manipulated in the computer system. This genetic information assists animal breeders in improving their stock and, thus, improves the economy of their farm.

Many other Departments are increasing their use of computers, causing a dramatic increase in the use of computer facilities. The number of terminals on campus has doubled in the last eight months, and winter semester computer usage was about 25 per cent higher in 1980 than in 1979. Obviously computer services have been enthusiastically received, but where do we go from here?

The Future

Technological advances hinted at now suggest what may be available within 10 years. IBM has announced that it is developing computers that will be 100 times faster and as small as shoe boxes. These

new computers will not be cheap, but the increase in computing power should compensate, if the increased power is put to use.

Today, many high school students are entering university with some exposure to computing. In the future, students will be as familiar with the computer terminal as we are with the telephone, and many households will have minicomputers or access to the Telidon system. Telidon is a public database in which information of interest to the community will be stored. Bell Canada is presently testing the system and predicts that it will be available within five years. Telidon may be used by the University to present courses to people in remote areas. Thus by 1990, all students will happily and routinely be making use of campus computers.

In the 1990's users will want, and perhaps even demand, access to many large databases. Some of these databases will be operated as a service, and users at Guelph will connect via a computer communications network into the database of their choice. If networks provide access to data services, these also provide access to alternative computing services. For example, a certain statistical analysis program may be available only at the University of British Columbia. The University of Guelph may choose not to install this program because access to it can be gained through the computer communications network-

At present there is a division between academic and administrative computing on campus. Many academic users are directly involved in writing programs. However, most administrative areas use programs that have been written for them by specialists. In the future, administrators will develop their own computer programs.

Today, most terminals on campus have access to an internal communications network. This gives a person access to the Library's GEAC computer as well as to the various services available on the Amdahl computer. In future, this network will expand to include other computers such as the GEAC in the Office of the Registrar. Then, a professor may receive his or her class list via the computer terminal. The same network will give access to computers on other campuses and in other countries.

In August, the first draft of the ICS Five Year Plan was circulated to the Colleges. The purpose of the Five Year Plan is to consider what direction the Institute should take in the coming years and to answer the question "Where do we wish to be in five years' time?" If you are interested in campus computer services and the direction these take, please feel free to add your ideas and suggestions. Comments should be directed to Mr. Les Parsneau, Assistant Director, Computer Systems and Planning, Ext. 3280, or to any of the Service Managers.

Change in free computer account numbers

For the past several years University of Guelph students have had free computer account numbers (commonly known as Freebies) which gave them time and charge, limited access to APL, CMS and TSO services. However, because of the rise in computer usage, several changes have been made.

The free computer account numbers will now be called SCRUB (Student Computing Resource Utilization Budget) numbers, and the following restrictions on use are now in place:

- a \$50 limit per student per semester has been set on all SCRUB numbers. Numbers which exceed this limit will be locked out of the computer system, and students will be asked to finance further usage

through their academic Departments or by purchasing time at on-campus rates from their own pockets;

- SCRUB numbers will only be allowed to sign on after 5 p.m. on weekdays and all day on weekends;
- SCRUB numbers will also be given a lower priority for execution;
- each student will be granted only one free number for APL and CMS per semester;
- SCRUB numbers were created for undergraduate and graduate use only. Faculty requiring computer time for teaching purposes must pay for use via their Departmental computing allocation. Charges will be calculated according to computer usage, as is the practice at the present time.

Students wishing to obtain a SCRUB number should contact Pearl Milne, Room 204, ICS building.

A rose by any other name

To most members of Guelph's APL community, Allen J. Rose is best-known as the co-author of the classic textbook, *APL: An Interactive Approach*, or "Gilmananrose," as it is usually called. First published in 1970 and revised in 1976, this book is an indispensable part of every APLer's library, be they novices or experienced users.

But Allen Rose is much more than just the name on the cover. He has been in the forefront of APL for many years, first as APL program administrator for IBM and, for the past decade, as vice-president and technical director of STSC Inc., one of the world's leading commercial APL time-sharing companies.

Mr. Rose will be on campus Friday, September 26 and he will talk about the history of APL and some of its practical applications, at a seminar at 2 p.m. in Room 160, Chemistry and Microbiology building.

If you have been using APL for years, have just discovered it, or are even wondering what this strange language is all about, do not miss this opportunity to hear one of the most knowledgeable — and one of the wittiest — experts in the field.

BICS-Batch Instructional Computing System

On September 8, SJS (Student Job Stream) was retired and a new system BICS (short for Batch Instructional Computing System) is filling the void. BICS is a special CMS batch machine. Jobs are prepared on card decks and read onto the system via card reader in the ICS basement. All processors which are not available on the VAX machine will be made available under BICS. Application packages formerly under the control of SJS are now available under this new batch machine-

BICS will have the following features:

- Speedy execution and printing
- Limits placed on computer resources such as CPU, memory, and the number of lines printed
- Accounting information will be generated and summarized by course
- BICS will accept OMR (Optical Mark Reader) cards: both data and program cards
- Storage of data will not be allowed
- Access to tapes will not be allowed

For more information on how to use BICS, contact either Mr. S.S. Swaminathan, User Services Supervisor or Mr. Bob Creedy, CMS Service Manager, Ext. 2422. The Computer Lab will be able to assist you with any problems you may encounter.



non-credit course descriptions

Introduction

For more than a decade, faculty, staff and graduate students have taken part in the short, non-credit courses offered free by the Institute of Computer Science. These courses are designed to give participants some basic computing skills which they can put to use immediately.

If you are new to computing, the courses can teach you how to use programs already stored in the computer. Programs to assist with the production of large documents and the compiling of statistics are easy to learn and can save you time. Other courses will teach you the fundamentals of computer programming. Experienced users will find these courses useful for increasing their knowledge and skill.

(Credit courses in computing science can be taken with the Department of Computing and Information Science: telephone Ext. 2258 for details.)

To receive the full benefit of any course taken, students are urged to complete exercises assigned by the instructor. Some courses require manuals which are now available at the Campus Bookstore.

Why not try computing this fall? If you are interested in taking any of the courses described below, telephone Liz Reemeyer, Ext. 3046.

Introduction to Sharp APL

Oct. 7, 9, 14, 16, 21, 23, 28; 18:30 -21:30

This course is a comprehensive study of one of the most concise, consistent and powerful programming languages currently available.

The course is designed so that a student with some previous knowledge of APL may take only those sections in which help is needed. Those unfamiliar with the APL language should take the entire course. Each section builds on the material covered in the previous section.

The topics to be discussed include:

- Lecture 1
 - Rudiments of the APL language
- Lecture 2
 - Management of APL workspaces
 - Using the APL public library
- Lecture 3
 - More of the APL language (with emphasis on handling of matrices) and graphics
- Lecture 4
 - Using the APL FILE system
- Lectures 5 and 6
 - Writing APL programs.

At the end of the course, the student will be able to use APL in calculator mode, enter and manipulate data, use and manage stored workspaces and write and modify APL programs.

Assignments which provide practice on the APL system will be given, and it is recommended that students write an APL program which will be discussed in the final lecture. The recommended text (though not required) is *APL — An Interactive Approach* by Gilman and Rose.

Prerequisite: None

Introduction to CMS

Sept. 18, 25, Oct. 2; 18:30 - 21:30

CMS (Conversational Monitor System) provides an interactive facility for creating files, executing computer programs and submitting jobs to the batch facility.

The first module discusses the basic concepts of CMS. It is a prerequisite to each one of the remaining three modules, which are independent of one another. The first module is also a prerequisite for many other courses, such as SPSS, Fortran and SAS.

This course is divided into two modules, i.e.:

- 1 — CMS Editor; Disk Concepts; Use of the Reader, Printer, Punch (two sessions). No prerequisite.
- 2 — Compiler (one session).

Prerequisite: None

Intermediate CMS

Oct- 21, 24; 13:30

This course will cover programming techniques and the use of EXEC files under the Conversational Monitor System (CMS).

If you plan to attend, please bring your questions and problems with CMS to class.

Prerequisite: Introduction to CMS

APL Jam Sessions

Oct. 29, Nov- 26; 14:00 - 15:30

The number of experienced APLers is increasing, and there are also many new features now available in Sharp APL. Therefore, there is a large amount of information that should be traded to broaden everyone's APL horizons. To stimulate the sharing and exchange of ideas on a regular basis, the Institute of Computer Science is offering a monthly session for interested APL users. Thirty-minute presentations by Institute staff, University faculty and invited speakers on a variety of APL subjects will start each session, followed by open discussions and questions from attendees. Topics for each session will be announced in "1 NEWS" in the APL system.

APL Show and Tell

Oct. 21, 23, 28; 18:30 - 21:30

This course is intended as a continuation of the "Introduction to Sharp APL" course. However, it should not be taken in the same semester; the prerequisite is several semesters' practice using the APL system.

The objective of this course is to improve the skills of the APLer by introducing and studying other

facilities available, sharing programming techniques, and exploring innovative designs and considerations.

Lecture 1

— System functions and system variables

Lecture 2

— Packages, event trapping and batch APL

Lecture 3

— APL data base design.

Introduction to Script

For secretarial staff: Dec. 8, 9, 10, 11, 12; 09:00 - 12:00

For graduates, faculty and staff: Oct. 27, 30, Nov. 3, 6; 18:30 - 21:30

The December course is designed for secretarial staff; the October course is more applicable for graduate students and staff. This course will assist those people on campus who are involved in typing reports, research papers and theses.

The word processing facilities available on the University of Guelph computer allow users to enter, store, modify and print text according to a specified format. The user with no knowledge of computing can add, delete or insert characters, words or lines in the text stored in the computer and make many other editorial changes. Considerable savings can be realized in time spent on retyping and proofreading.

Topics to be discussed include creating and deleting text files, entering and modifying text and specifying printing and formatting options.

Prerequisite: None for the secretarial course. For the graduate student course, the prerequisite is the first module of Introduction to CMS.

Introduction to PERK

Tues., Nov. 4; 18:30 - 21:30

PERK (PErsonal Reference Keeper) is an interactive information storage and retrieval system designed for use by faculty, staff and students. It is intended to facilitate the establishment, maintenance and retrieval of references to a personal collection of items (e.g., a personal literature reference library).

The user, with no prior computing experience, can create a reference file, enter references, search the reference file for references satisfying specified criteria, and display the reference information according to a number of different formats.

Prerequisite: None

Introduction to SPSS

(using self-teaching modules)

Oct. 14, 16, 21; 18:30 - 21:30

SPSS (Statistical Package for the Social Sciences) is a package of computer programs designed for social scientists for data manipulation and statistical analysis.

The course will introduce the user to SPSS and guide him/her through the SPSS self-teaching modules. It is divided into three sessions-

The student is expected to work through the SPSS self-teaching modules and submit exercises using his/her own data or using a common dataset to be provided in class.

Prerequisite: A basic knowledge of statistics and Introduction to CMS, Module 1.

Introduction to SAS

Oct. 14, 16, 20; 13:30 - 16:30

SAS (Statistical Analysis System) is a comprehensive package of computer programs for data analysis. It offers a wide range of statistical procedures (especially in the analysis of designed experiments), extensive data management tools (reads data in almost any format, updates, sorts and merges files) and report-writing features.

The course is designed to provide the student with enough exposure to SAS in order to use it. It is divided into three sessions as follows:

Session I — Creating SAS Datasets

Session II — Analyzing SAS Datasets

Session III — Use of SAS Program Statements

The student is expected to submit exercises using his/her own data or using a common dataset to be provided in class.

Prerequisite: A basic knowledge of statistics and Introduction to CMS, Module 1.

Test Scoring System

Tues., Sept- 23; 19:00 - 21:30

The Test Scoring System is an interactive APL system created to assist faculty in scoring multiple choice examinations-

The course content will include what the system will and will not do, how to code student answer cards, how to correct data and what reports are available.

The course content will be presented in sufficient detail to enable use of the system by those who have not had prior computing experience- The design of multiple choice questions will not be covered.

Prerequisite: None

Marks Record Keeping System

Thurs., Oct. 2; 19:00 - 21:30

MARKS is an interactive APL program intended for use by faculty to record student assignment marks over a semester and to calculate student percentages.

It allows up to 15 assignment marks to be entered and provides reports by class or by section. Assignments may be weighted, and overall student percentages are calculated using the weighting factors specified.

Class and section mean and standard deviation are given, along with various other statistics-

Knowledge of APL would be helpful, but not essential- The MARKS system will be presented in sufficient detail to enable its use by faculty without prior computing experience.

Prerequisite: None

Introduction to Microcomputers

Nov. 10, 12, 14, 17; 13:30 - 16:30

This course has been designed as a brief introduction for those who have little or no knowledge of the burgeoning world of small computer systems. Hardware components, operating systems, the programming language BASIC, uses and limitations of microcomputers will be among the topics discussed- At least one microcomputer will be available for use by course participants-

One assignment will be issued to give you experience creating a simple program using the BASIC language. Upon completion of the course, you should have a basic knowledge of how to use a microcomputer for problem-solving.

Prerequisite: None

Instructional Staff

Staff of the Institute of Computer Science participate in the training program as instructors- Whenever

necessary, computer professionals from outside the University or from other Departments may be used as lecturers.

Seminars

In addition to the scheduled courses being offered by ICS, a number of general interest seminars are held from time to time.

Details on the content and scope of these seminars are announced in the *University News Bulletin* and in notices which are sent to University Departments.

Unlisted Courses

Not all available courses are offered this semester. ICS is prepared to make special arrangements to give any scheduled or unscheduled course to interested groups or Departments-

Manuals

Some courses may require manuals. These can now be purchased at the Campus Bookstore.

To Register

To register for any of the courses or to obtain further information, please telephone the Manuals Clerk, Ext. 3046. Registrations will be accepted from 13:00 to 16:00 only. Register early, as courses fill rapidly.

Service managers

The Institute of Computer Science has used the service manager concept with successful results-for almost two years now.

A service manager functions as a focal point for questions and concerns about a particular service. He or she is also responsible for the quality of services provided. Being sensitive to the needs of the user community is vital to the role of service manager '

because he or she must be prepared to plan changes to improve the service.

The role of the service manager should not be confused with the assistance provided by the personnel in the Computing Laboratory. If you are having problems running a program or need technical advice, the Computer Lab staff is ready to help. These people can be reached at Ext. 3584, or you may talk with them directly in Room 009, ICS.



Gillian Wade, APL service manager, discusses APL activity with Bob Creedy, CMS service manager.

Institute of Computer Science

University of
Guelph

ICS non-credit courses Fall 1980

Courses	Dates	Time	Instructor
Introduction to Sharp APL <i>6 lectures given once</i>	Oct. 7, 9, 14, 23, 28	18:30 - 21:30	L. Dunn
APL Show & Tell <i>3 lectures</i>	Oct. 21, 23, 28	18:30 - 21:30	G. Wade
Introduction to CMS <i>3 lectures given once</i>	Sept. 18, 25, Oct. 2	18:30 - 21:30	B. Creedy
Intermediate CMS <i>2 lectures given once</i>	Oct. 21, 24	13:30 - 16:30	B. Creedy
Introduction to SAS <i>3 lectures given once</i>	Oct. 14, 16, 20	13:30 - 16:30	N. Ison
Introduction to SPSS <i>3 lectures given once</i>	Oct. 14, 16, 21	18:30 - 21:30	L. Ross
Introduction to SCRIPT, for secretarial staff <i>5 lectures given once</i>	Dec. 8, 9, 10, 11, 12	09:00 - 12:00	A. Lauder
Introduction to SCRIPT for graduate students & staff <i>4 lectures given once</i>	Oct. 27, 30, Nov. 3, 6	18:30 - 21:30	L. Dennis
Test Scoring <i>1 lecture given once</i>	Sept. 23	19:00 - 21:30	J. Miller
Mark Record Keeping System (MARKS) <i>1 lecture given once</i>	Oct. 2	19:00 - 21:30	J- Miller
Introduction to Microcomputers <i>4 lectures given once</i>	Nov. 10, 12, 14, 17	13:30 - 16:30	D. Genner
APL Jam Session	Oct. 29, Nov. 26	14:00 - 15:30	G. Wade
PERK (Personal Reference Keeping System) <i>1 lecture given once</i>	Nov. 4	18:30 - 21:30	L. Dunn

Are computer services a victim, of success?

Growth

Use of the Amdahl computer system at the University has grown with surprising rapidity. From December 1979 until the present, the number of terminals on campus has doubled. Although encouraged by such an enthusiastic response, the Institute, because of financial restraints, is concerned that there is a limit to the available capacity.

Possible Difficulties

At present, there are 100 communication ports into the Amdahl computer. The more ports in use, the greater is the demand on the CPU (Central Processing Unit) and, when the CPU is heavily engaged, the response time (the speed at which the computer responds to commands) slows down- ICS plans to maintain the present number of ports, so users are urged to be as efficient as possible in using computer time.

Ways to Help

Here are a number of ways that individuals may help:

- Faculty members who are teaching through time sharing systems should make sure that students thoroughly understand the sign-on procedure. It will help to notify Computer Lab personnel in advance of the nature and objectives of students' assignments so that staff may be prepared for questions.
- Users should plan computing work carefully before sitting down at a terminal and do it early in the semester, well before the assignment is due; avoid using system during peak hours, if possible; use after 5 p.m. or on weekends.

- Since ICS has only six tape drives, Batch system users encountering line ups should consider using disk space instead of tapes. (The Computing Lab can offer advice in this regard-)
- Double check errors on a video display terminal before submitting work to be printed.
- Script users should avoid requesting class z (bond paper with upper and lower case print) which requires a longer printing time-

ICS removes support for Cope terminals

The Computer Services Council recently approved a proposal to begin discussions with users about removing support for Cope terminals. This means that by the end of 1980, Cope terminals will no longer be able to communicate with the Amdahl computer.

There are several reasons for retiring Cope terminals. Most Cope terminals have been in service for over five years and some of them had been reconditioned before they were purchased by the Institute.

They are now considered obsolete, and maintaining these machines has been increasingly difficult. Removing the Cope terminals will make it possible to speed up the transmission rates between Amdahl computer and the terminals, thus improving response time.

Between now and the end of the year, Les Dennis, terminal co-ordinator, would like to hear the concerns of those Departments which are still using the Copes- To contact him telephone Ext. 2265. Mr- Dennis will apply Departments with a brochure on terminals recommended by the Institute.

In the middle of the end

The deadline for the demise of TSO (Time Sharing Option) service has been extended to the end of December, 1980.

Many ISO users have already made the transition to CMS (Conversational Monitor System). If, however, you have been absent from campus and have ISO tapes or files you wish to prepare for use in CMS, please contact Bob Creedy, CMS service manager, Room 210, ICS, Ext. 2422- He will be able to advise you on the best techniques for converting your work-



Students concentrate as data is fed back on a printout.

PRE-EMPLOYMENT MEDICALS are now required of all candidates for regular full-time positions at the University of Guelph. The policy, which was implemented as of September 1, also applies to temporary employees who are full-time, part-time, and those classified as "C" or "D." Details may be obtained from the manager of employee relations, Tony Blanchet, Ext. 8778.

STAFFING requirements for the University's Christmas holiday period will be arranged by the individual departments. Personnel indicates that December 24 is a full working day at Guelph; December 25, December 26, December 31 and January 1, paid holidays; December 29 and December 30, days off with pay, and January 2, a day off without pay, but employees may use floater holidays, vacations or previously accumulated days off.

BOWLERS are needed for the University league. Anyone who is interested in joining should telephone Cary Dickie, 836-7533, after 5 p.m.

VOLUNTEERS are needed to teach the English language to adults and pre-schoolers. For more information, contact Pat Restivo, 822-2538 or J. Grodzinski, 836-1687.

A SYMPOSIUM on curriculum in higher education for university and college teachers and administrators will be held at the Ontario Institute for Studies in Education, Toronto October 31, November 1 and November 2. Contact Professor A. Moore, Office for Educational Practice, Ext- 3106-

CANADIAN PIANIST William Aide will perform at the Thursday Noon Hour Concert September 18 at 12:10 p.m.- and 1:10 p.m. in Music Room 107 of the Arts building. Sponsored by Concert Management, this concert is free. The first program will include two Intermezzi and a Capriccio by Brahms; Beethoven's "Moonlight Sonata," and two Chopin Etudes. Program II will consist of a repeat performance of the Beethoven; a world premiere of two movements from the suite *Snow Geese*, commissioned by the CBC from the Canadian composer Paul Crawford, and Debussy's "Reflets dans l'eau" and "L'isle joyeuse."

THE 40 University of Guelph students who were recipients of NSERC undergraduate summer research awards have completed their diverse projects. The four-month summer scholarships enabled the students to involve themselves in actual research experiences to acquaint them with the type of work that goes on at the graduate level. The purpose of the program is to encourage high quality undergraduate students to consider graduate studies and research oriented careers.

Granted to Canadian universities across Canada, the NSERC summer research awards went to students in the natural sciences or engineering honors programs. Competition at Guelph for these awards resulted in awards to students in the following Departments: Animal and Poultry Science, Biomedical Sciences, Computing and Information Science, Crop Science, Botany and Genetics, Chemistry, Clinical Studies, Engineering, Environmental Biology, Psychology, Food Science, Human Kinetics, Mathematics and Statistics, Microbiology, Nutrition, Physics and Zoology.

THE COLLEGE WOMEN'S CLUB membership tea is Tuesday, September 23 at the Arboretum Centre from 2 p.m. to 4 p.m. or 7:30 p.m. to 9:30 p.m. The membership fee is \$5. The Club has organized a number of interest groups this year, and members may sign up at the tea. For more information, contact this year's president, Claire Tizard, 821-3841.

THE YM-YWCA seeks an instructor for a science course- Someone with a background in biology is preferred. The course will be offered Wednesday afternoons and Saturday mornings. Anyone interested in this position should contact Valerie Tolton, 824-5150 before September 13.

THE FIFTH ANNUAL Agricultural History of Ontario conference takes place November 1 in Room 105 of the Physical Sciences building. More details will be published later, but a registration form is now available from the Continuing Education Division, Ext. 3958.

FIRST WINNER of the "Gryphon of the Week" award for the new school year is Ron Lively of the football Gryphons. Each week a female or male athlete will be recognized for best exemplifying "pursuit of excellence" in intercollegiate athletics. Ron, a 22-year-old from Etobicoke, is in his sixth semester of Arts. He is in his fourth season with the Gryphons and holds the Gryphon record for punt returns in a season as well as the longest return of 89 yards. He follows his brothers Jim and Bob in the Gryphon uniform.

LIVE SHOWS and dancing will be presented every Thursday from 8 p.m. to 1 a.m. in Peter Clark Hall, University Centre. The first live show features the Minglewood Band, September 25; Second City Cabaret, October 23; Ian Thomas, November 13, and Downchild, November 27. There is a cover charge for the live shows only.

FREE CONCERTS will be presented by the University Centre every Thursday noon. The first five concerts, featuring Larry Horowitz, September 11; Graham Townsend, September 18; The Minglewood Band, September 25; Jane Sibbery and Wendy Davis, October 2, and the Ben Mink Banu, October 9, will be held in the Bullring Green. The six remaining concerts, featuring the Bruce MacColl Octoberfest Band, October 16; Variety Show, October 23; Michael Lewis, October 30, Mendelson Joe, November 5; Sutherland, Gordon and Bird, November 13, and the final concert, yet to be announced, November 27, will be held in the courtyard of the University Centre.



Assistant Computer Operator, Computer Operations. DPS I. Salary range \$220.19 - \$316.68.
Special Constable (Police Officer), Safety and Security. Salary range as per collective agreement with the Canadian Guards' Association.
Laboratory Technician (2 Positions), Pathology. One Year Contractually Limited. MTS III. Salary range \$220.19 - \$316.68.
Technician, Microbiology. MTS III. Salary range \$220.19 - \$316.68.

For further information please see bulletin boards.

"THE COSTS and Conflicts of Rapid Urban Growth in Alberta" is the title of a lecture Wednesday, October 22 at 8 p.m. in Room 103 of the University Centre, sponsored by the Royal Canadian Geographical Society. Professor of geography at the University of Alberta, P.J. Smith, will give the illustrated public address. Admission is free but tickets must be obtained by writing to: Lecture Program, D-L. Regan, The Royal Canadian Geographical Society, 488 Wilbrod Street, Ottawa, Ontario, K1N 6M8. Contact geography chairman Gerald Bloomfield, Ext. 2171, for more details.

FOCUS ON THE NORTH will sponsor a talk by Vern Harper Thursday, September 18 at 8 p.m., Room 113, Physical Sciences building. Mr. Harper will discuss the Native People's Caravan, 1974. The speaker was a participant and leader of the Caravan which travelled from Vancouver to Ottawa to bring the concerns of native people to the attention of Canadians. He has written a book about the Caravan entitled *Following the Red Path*. Mr. Harper is now a co-ordinator of the Wandering Spirit Survival School in Toronto. For more information contact Sharon O'Sullivan, 824-5179.

Next Week At Guelph *Continued from page 8.*

Service — LEGAL ADVICE, 14:00, UC 301-
Worship — ANGLICAN EUCHARIST, 17:00, UC 332.

Free Films — ODE TO GOVERNMENT: Death of a Bureaucrat (Cuban), 19:00, LA 204-
Meeting — TRANSCENDENTAL MEDITATION INTRODUCTORY LECTURE, 19:00, Arts 306;
T.M. ADVANCED LECTURE and T.M- CLUB ELECTIONS, 20:00, Arts 306. Information: 1-576-2546.
Faculty Club — ART SHOW OPENING: IRISH MYTH AND LEGEND, Noirin Mooney, 20:00, Faculty Club, level 5, UC.

Drama Department Production — NO EXIT, Jean Paul Sartre, 20:00, Inner Stage, Arts 101. Admission: \$2. Continues nightly until 80 09 20-
Meeting — INTERNATIONAL DANCE CLUB, an opportunity to learn English, Israeli, Greek, Bulgarian, Swedish, ballroom dancing, 20:30, Gryphon room (upstairs at Alumni Stadium). Call Ext. 8728 for more information.

THURSDAY, 80 09 18

Aggie Week — WEIGHT GUESSING, 11:00, Branion Plaza; PETER HANNAM, OAC '62, 17:00, WMH; VEGAS NIGHT, 20:00, Creelman Hall.
Luncheon Special — 11:30 to 13:30, PCH, UC.
UC Noon Concerts — GRAHAM TOWNSEND, 12:00, Bullring Green or UC courtyard in case of rain-
Thursday Noon Hour Concert — WILLIAM AIDE, piano, 12:10 and 13:10, Arts 107. Admission free.
ICS Courses — INTRODUCTION TO CMS, B. Creedy, 13:30 or 18:30, ICS. Courses continue 80 09 25 and 80 10 02. To register: Ext. 3046 between 13:00 and 16:30.
Worship — CATHOLIC MASS, 17:10, Chapel, level 5, UC; INTERVARSITY CHRISTIAN FELLOWSHIP, 19:00, 9th fl. lge., Arts.
Thursday Night Live — DANCE, DANCE, DANCE, 20:00, PCH, UC.
Lecture — NATIVE PEOPLE'S CARAVAN, 1974, Vern Harper, a talk sponsored by Focus on the North, 20:00, PS 113.

Next Week at Guelph

THURSDAY, 80 09 11

Sale - USED BOOK SALE, 09:00, UC 004. Continues until 80 09 19.

Luncheon Special - 11:30 to 13:30, PCH, UC.

UC Noon Concert - LARRY HORAWITZ, 12:00, Bullring Green or UC courtyard in case of rain.

Seminar - GUIDELINES FOR STUDENT RATING OF TEACHING, Dr- Terry Crooks, University of Otago, New Zealand, 15:00, UC 442. Dr. Crooks's visit is being sponsored by the College of Family and Consumer Studies and the Office for Educational Practice.

Worship - CATHOLIC MASS, 17:10, Chapel, level 5, UC; INTERVARSITY CHRISTIAN FELLOWSHIP, 19:00, 9th fl. lge., Arts.

Meeting - NAVIGATORS, 18:00, UC 442.

Fundraiser for Big **Sisters** - ENGINEERING SOCIETY GRAY COACH BUS PUSH, beginning at 19:00, UC south entrance. Route will be up Gordon, right at Wellington, left at the Dairy Queen and north into the downtown area. Pledges for the Big Sisters may be made by calling the Engineering Society's office, Ext. 8549.

Workshop - STUDY SKILLS WORKSHOP, 19:00, UC 441.

Guelph Field Naturalists - AUTUMN BANDING OF EAGLES, HAWKS AND FALCONS AT HAWK CLIFF, LAKE ERIE, Marshall Field, 19:45, Arboretum Centre.

Thursday Night Live - DANCE, DANCE, DANCE, 20:00, PCH, UC.

FRIDAY, 80 09 12

Last day for submission of student petitions

Last day for registration

Last date for clearance to graduate

Worship - ANGLICAN EUCHARIST, 12:00, UC 332; MUSLIM FRIDAY PRAYERS, 12:30, Chapel, level 5, UC.

All You Need **Is Love Video** Tape - PRELUDE and GOD'S CHILDREN, 11:00, UC 103.

Luncheon Special - 11:30 to 13:30, PCH, UC.

Summer Shuttle '80 - to see BALTIMORE ORIOLES vs. TORONTO BLUE JAYS, at Exhibition Stadium, Toronto; bus leaves UC south entrance at 17:30. Ticket including cost of return transportation, \$11, obtainable from the centre box office, UC lobby.

Faculty Club - CLUB DINNER AND DANCE, 19:00 (dinner), 20:00 (dance), Faculty Club, level 5, UC. Dinner: \$5 per person- Dance: \$1.50 per person. For reservations for dinner telephone Ext. 2211 or 824-3150.

Friday Films - FOXES, Judy Foster, 19:00 and 21:30, PS 105- Admission 50 cents UGCSA Presents - TBA, 20:00, Athletics Centre.

UC Presents - BLITZ (formerly CALIFORNIA), 20:00, PCH, UC.

Pub - ALL NIGHTER, 01:30, Bullring-

SATURDAY, 80 09 13

Arboretum Educational Programs - NATURE CENTRE HONEY BEE DISPLAY, beehive with clear plastic sides, on view 09:00 to 16:00, J.C. Taylor Nature Centre, every Saturday and Sunday. Come and see the bee dances, bee larvae, pollen and honey cells, and enjoy some honey.

Workshop - INTRODUCTORY WORKSHOP IN AIKIDO, Bruce Stiles, a fourth degree black belt in this Japanese art of self-defence and mind-body co-ordination, 11:30 and 14:30, combative room, Athletics Centre. Continues 80 09 14. Workshop fee: \$12. Call Ext. 3943 for more information.

Recreational Skate - FAMILY SKATE, 13:00, every Saturday and Sunday, Athletics Centre arena. Children must be accompanied on the ice by an adult-

Recreational Swim - REC SWIM, 14:00; FAMILY SWIM, 15:30, every Saturday and Sunday, Athletics Centre pool. Children must be accompanied in the pool by an adult.

Football - GUELPH GRYPHONS vs- YORK YEOMEN, 14:00, Alumni Stadium.

All That Jazz - MOE KOFFMAN QUINTET, 20:30, WMH. Tickets: \$16 (general) and \$14 (students/seniors) from the central box office, UC lobby.

Pub - ALL NIGHTER, 01:30, Bullring.

SUNDAY, 80 09 14

Worship - CATHOLIC MASS, 10:10, PCH, UC; MUSLIM ZOHR PRAYERS, 13:30, 9th fl. lge., Arts.

Aggie Week - BORDEN BALL, 17:15, Johnston front campus.

Cine-Series - APOCALYPSE NOW, Martin Sheen, Marlon Brando, 19:00 and 21:30, WMH. Admission: \$2.

MONDAY, 80 09 15

Recreational Swim - EARLY BIRD DIP, 07:30; NOON SWIM, 11:30; AFTER-NOON SWIM, 15:00, Monday through Friday; EVENING SWIM, 20:00, Monday through Sunday, Athletics Centre pool.

All You Need **Is Love** Video Tape - I CAN HYPNOTIZE DIS NATION, ALL THAT JAIL, 11:00 to 15:00, UC 103. Continues 80 09 17 and 80 09 19. Bring your lunch.

Recreational Skate - REC SKATE, 12:00, Monday through Friday; EVENING SKATE, 21:00, Monday through Sunday, Athletics Centre arena.

Aggie Week - BED RACE, 12:00, outside UC; BORDEN BALL, 17:15, Johnston front campus; TALENT SHOW, 19:30, PCH, UC.

Women's Hour - KNOW WHERE YOU WANT TO GO, 12:10, UC 441.

Seminar - SOIL FERTILITY AND CENOZOIC GEOLOGY, Dr- W. Chesworth, Land Resource Science, 15:10, LRS 124. Coffee and doughnuts served, 14:45, LRS 230-

Career Development - INTEREST TESTING, 18:00, UC 334.

Progressive Film Evenings - TWILIGHT OF AN ERA 1934 - 1939 and BETHUNE, 19:30, UC 441. Admission free.

TUESDAY, 80 09 16

Aggie Week - PANCAKE BREAKFAST, 07:00, in front of UC and Creelman; BORDEN BALL, 17:15, Johnston front campus; LEG AUCTION, 19:00, UC courtyard, SQUARE DANCE, 21:00, PCH, UC.

Workshop - STUDY SKILLS WORKSHOP, 14:00 and 19:00, UC 441. Continues 80 09 18-

Worship - CATHOLIC MASS, 17:10, Chapel, level 5, UC.

Clinic - RESUME WRITING CLINIC, 18:00, UC 301-

Foreign Film - TBA, 19:15, LA 204.

Nature Interpretation Programs - NATURE'S DYES WORKSHOP, 19:30, J.C.

Taylor Nature Centre. Pre-register: Ext. 3932.

Meeting - SENATE, 20:00, PS 105.

WEDNESDAY, 80 09 17

Aggie Week - PANCAKE BREAKFAST, 07:00, front of UC and Creelman; COW MILKING CONTEST, 16:00, Branion Plaza; BORDEN BALL, 17:15, Johnston front campus; TUG OF WAR, 18:00, Johnston front campus; AGGIE GAMES, 19:30, Alumni Stadium; AGGIE GAMES PUB, 21:00, PCH, UC.

Sale - FACS '81 PLANT SALE, 09:00, UC courtyard.

Luncheon Special - 11:30 to 13:30, PCH, UC.

Worship - CATHOLIC MASS, 12:10, Chapel, level 5, UC.

Continued on page 7.

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The News Bulletin is published by the University of Guelph. Items must reach the editor, Sandra Webster, Department of Information, level 4, University Centre, by noon Friday. Contents may be quoted or reproduced.